THE WELLCOME EXCAVATIONS IN THE SUDAN

JEBEL MOYA

VOLUME II
PLATES

PUBLISHED FOR
THE TRUSTEES OF THE LATE SIR HENRY WELLCOME
BY THE
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LONDON NEW YORK TORONTO

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JEBEL MOYA lies in the southern Gezira plain between the Blue and White Niles, and the excavations on the site were carried out by the late Sir Henry S. Wellcome during four seasons from 1910 to 1914. After his death, the Wellcome Trustees invited the author, who was formerly Conservator of Antiquities, Sudan Government, to prepare the results of the excavation for publication. This report is the outcome.

The finding of hundreds of stone implements showed that the Jebel Moya settlement was inhabited by a people of neolithic culture, while the pottery and beads provided evidence that these people had relations not only with surrounding tribes, but also had trade connexions with the Egyptianized Napatan kingdom far to the north during the years 750–500 B.C.

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VOLUME II

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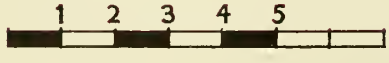
(PLATES)



FRAGMENT OF JAR OF FINE PAINTED POTTERY

See Text, p. 213

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NOTE

MANY of the photographs and drawings reproduced in this volume were prepared in 1938 and 1939. At that time a somewhat larger page was contemplated than that which now appears and the size of the illustrations and the scale of reproduction were adapted to fit such a page. After the war, owing to difficulties of supply which are too well known to require explanation, this larger page proved impracticable, and either the scale of reproduction or the margin of the page had to be sacrificed. It was felt that to reduce the scale of reproduction of the earlier drawings by some awkward ratio such as 9:10 or 11:12 would not be desirable, so the plates are printed as originally designed even though this in some cases results in an uncomfortably crowded page.

F. A.

All scales which appear with photographs of objects are in centimetres.

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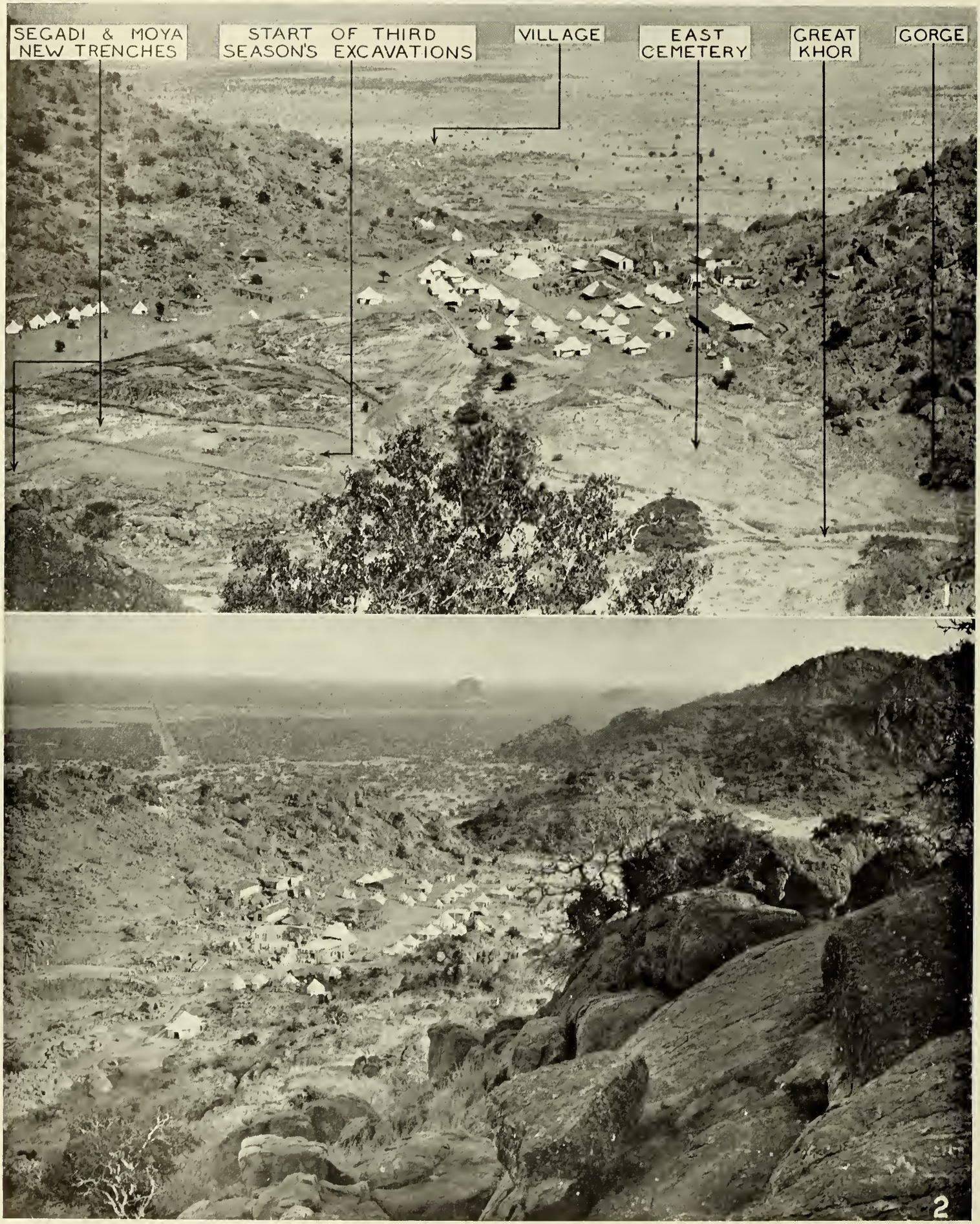

THE SITE AS IT APPEARED IN DECEMBER 1912

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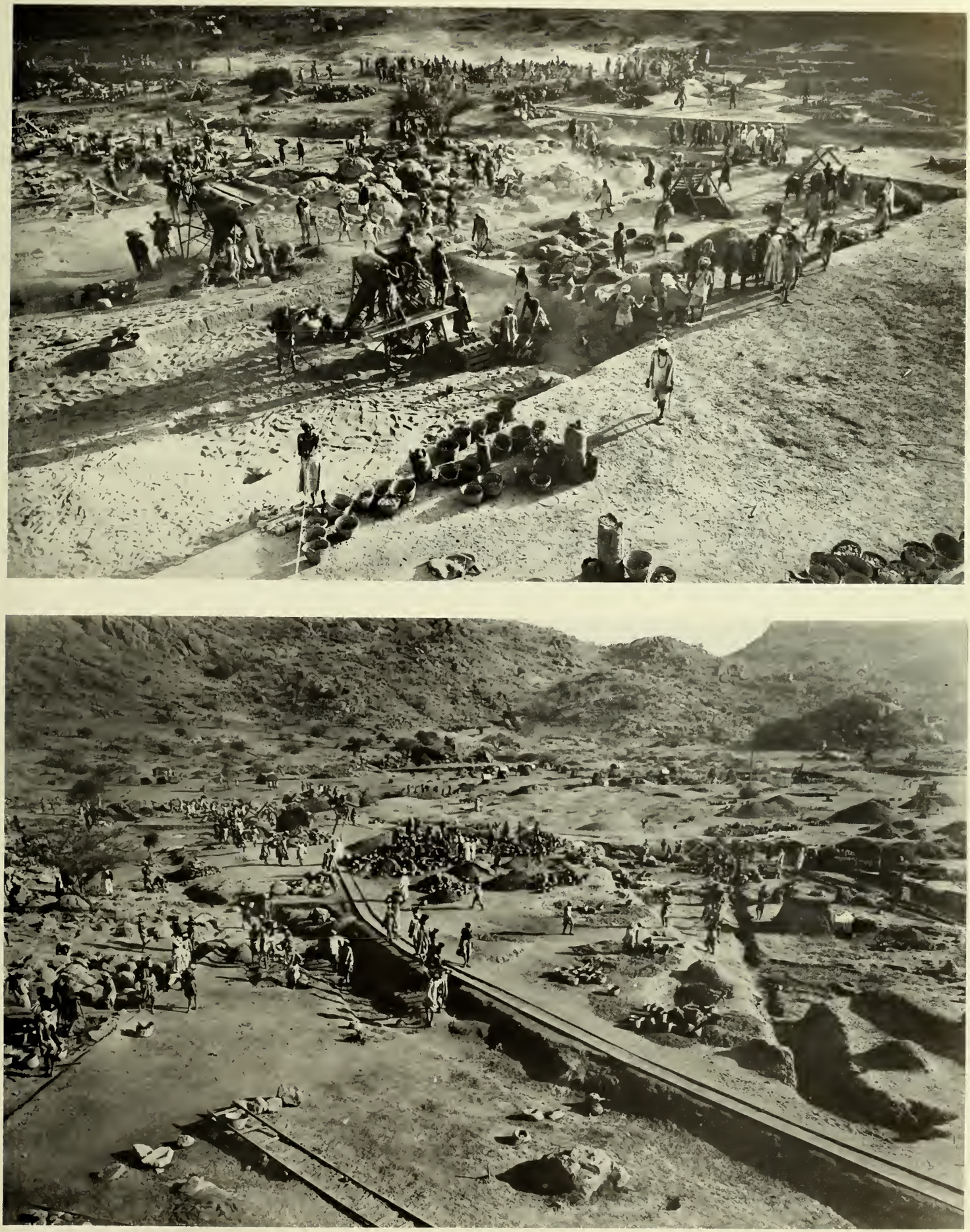
1 & 2. Excavation in progress 1912–13. 3. View of 1912–13 excavations before removal of 'walls'.
4. In background, 1912–13 excavations after removal of 'walls'; in foreground, part of 1913–14 excavations

SIFTING MACHINES AT WORK

Photographs 3 and 4 were taken by means of the kite (see Plate XVI)



EXCAVATION IN PROGRESS 1913–14

PLATE X

EXCAVATION IN PROGRESS 1913–14

1 & 2. Cutting boulders. 3 & 4. Dragging them to the site

THE HOUSE OF BOULDERS

METHOD OF CONSTRUCTION

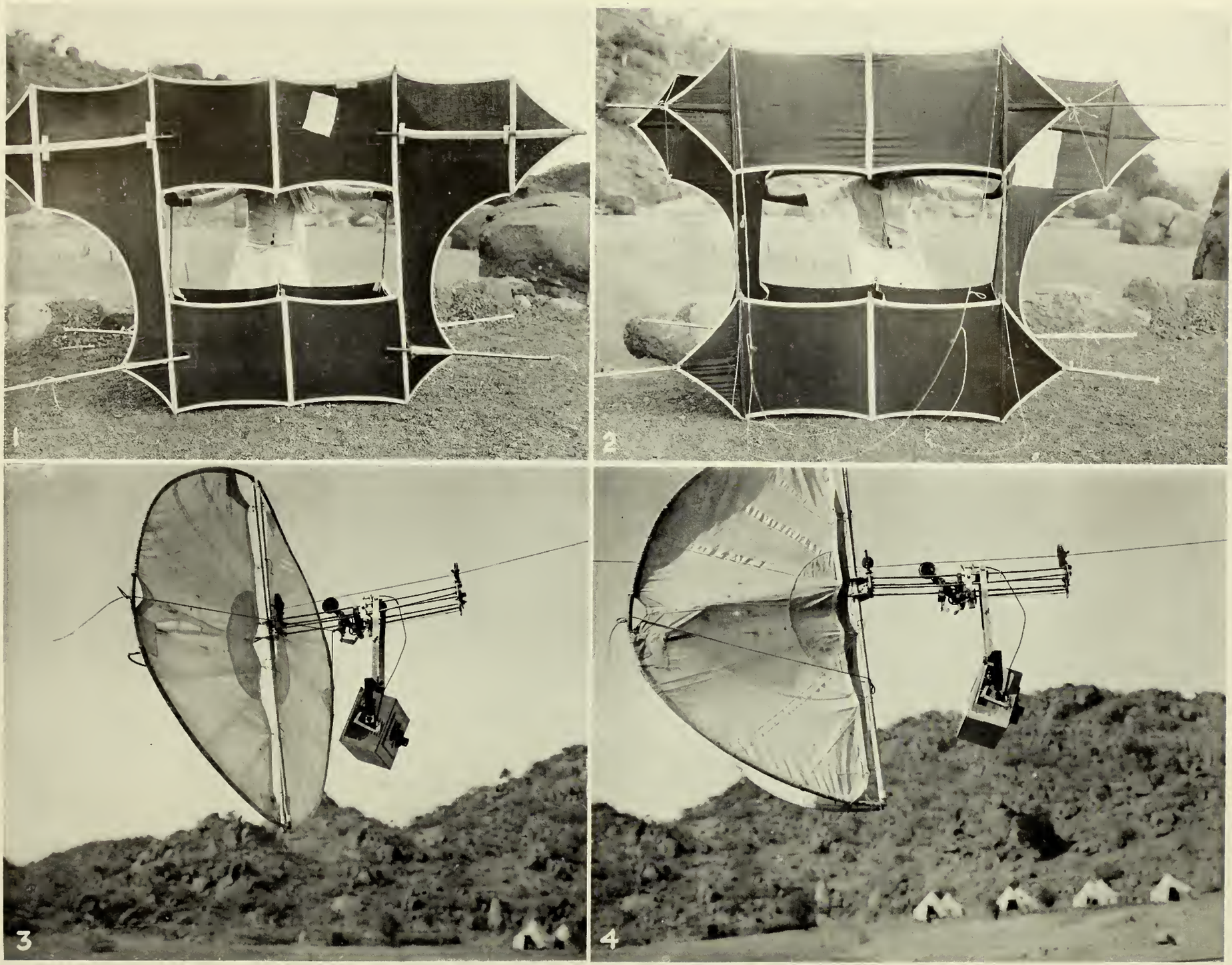
THE HOUSE OF BOULDERS

1. Moving a large boulder. 2, 3, & 4. Method of construction

THE HOUSE OF BOULDERS

Various stages of construction. Photograph 4 shows the Taishi guard about to go on duty for the night

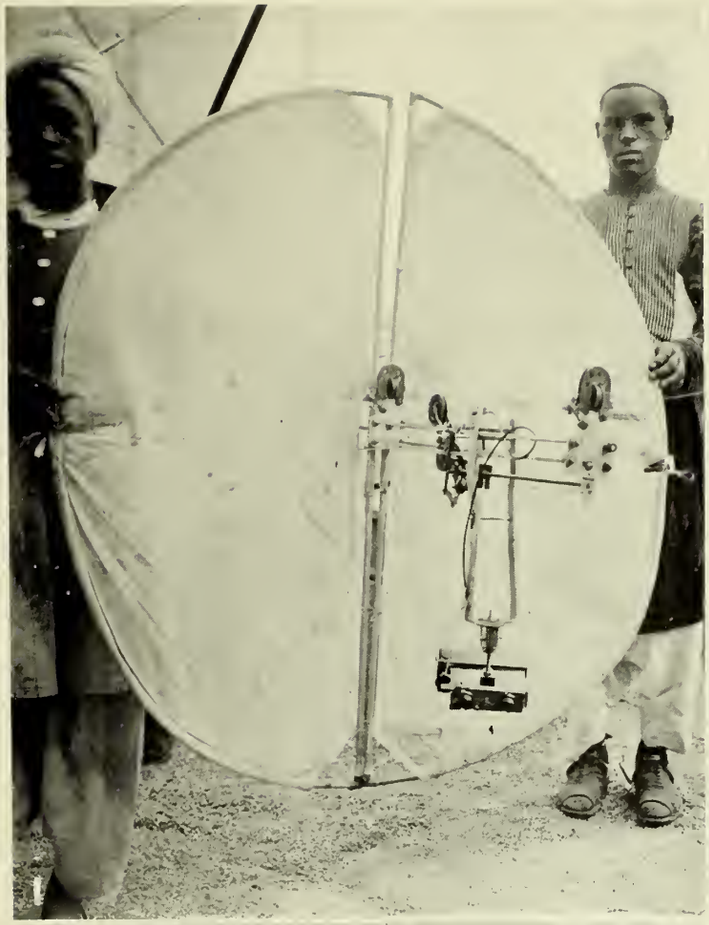
1. View from SW. 2. Interior unfinished. 3. Interior as far as it was completed

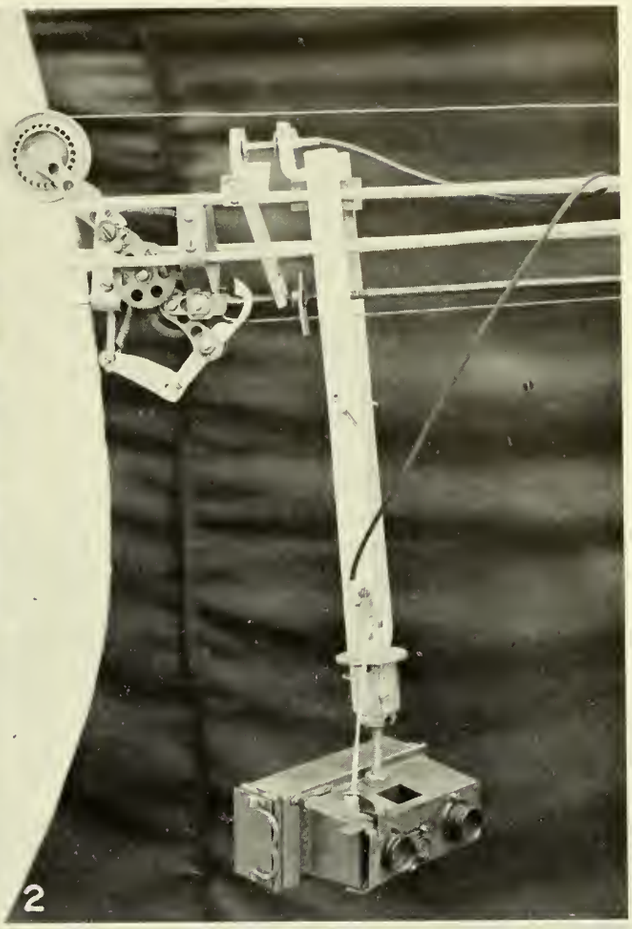


1 & 2, Kite. 3. Kite trolley ascending. 4. Kite trolley descending

See Text p. 6

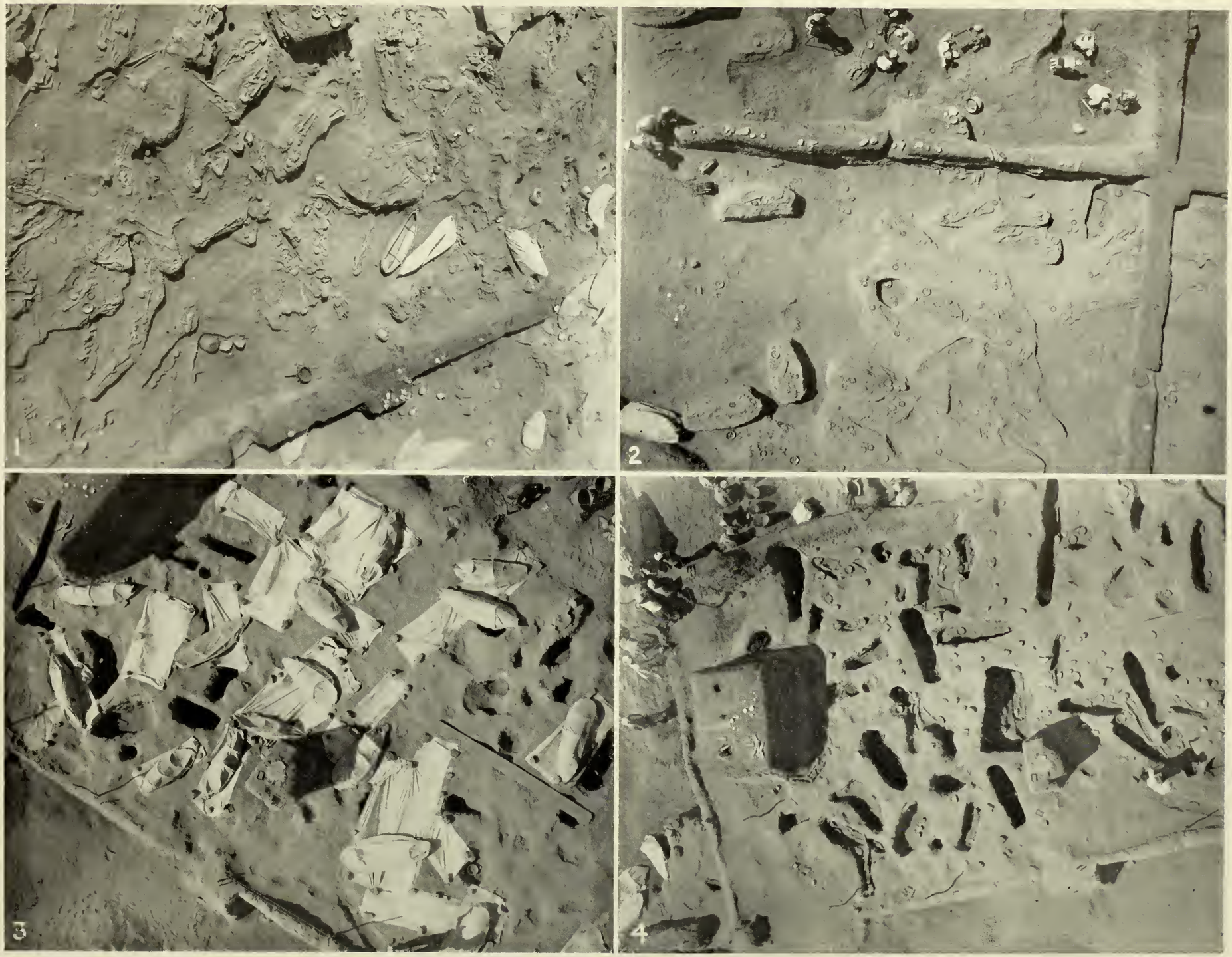
AERIAL PHOTOGRAPHY





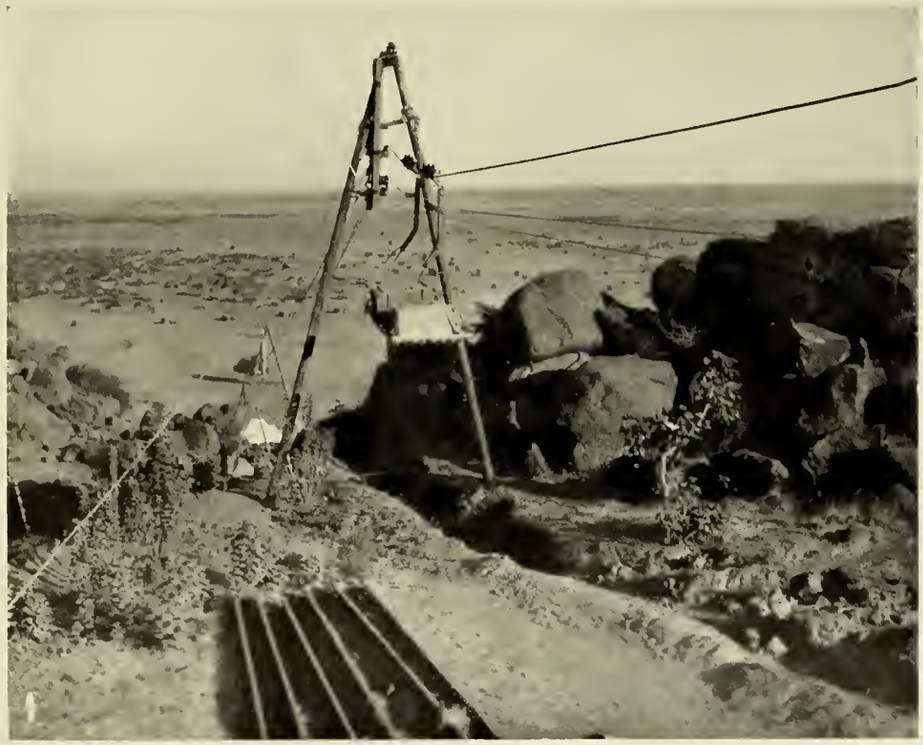
1. Kite trolley. 2. Detail of trolley mechanism. 3. Camera supported directly by kite. 4. 30-ft. extending ladder

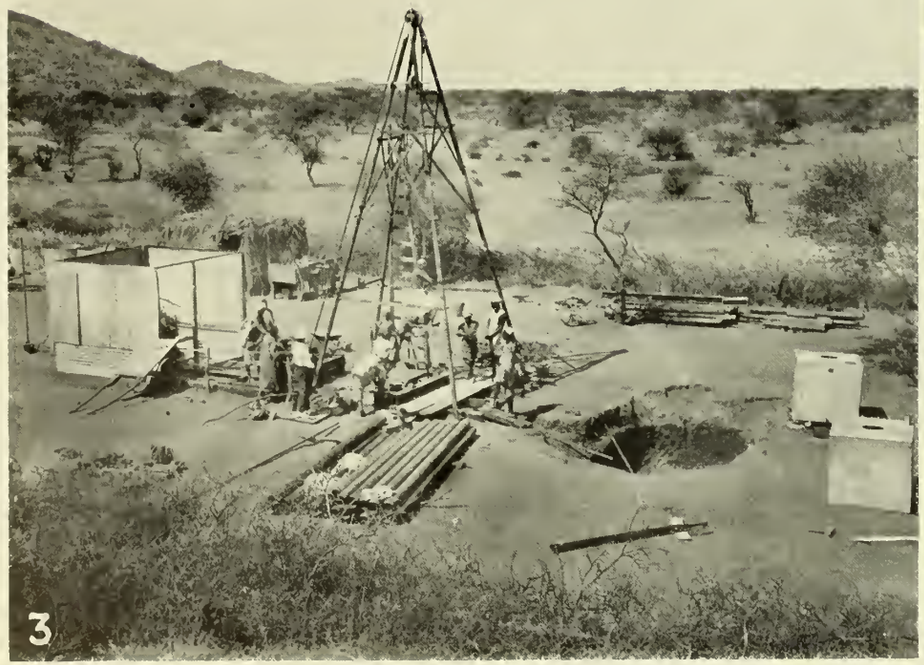
See Text, p. 6



Examples of photographs taken by means of the kite

See Text, p. 6





1 & 2. Aerial ropeway in action. 3. Well drilling. 4. Excavation of a cave

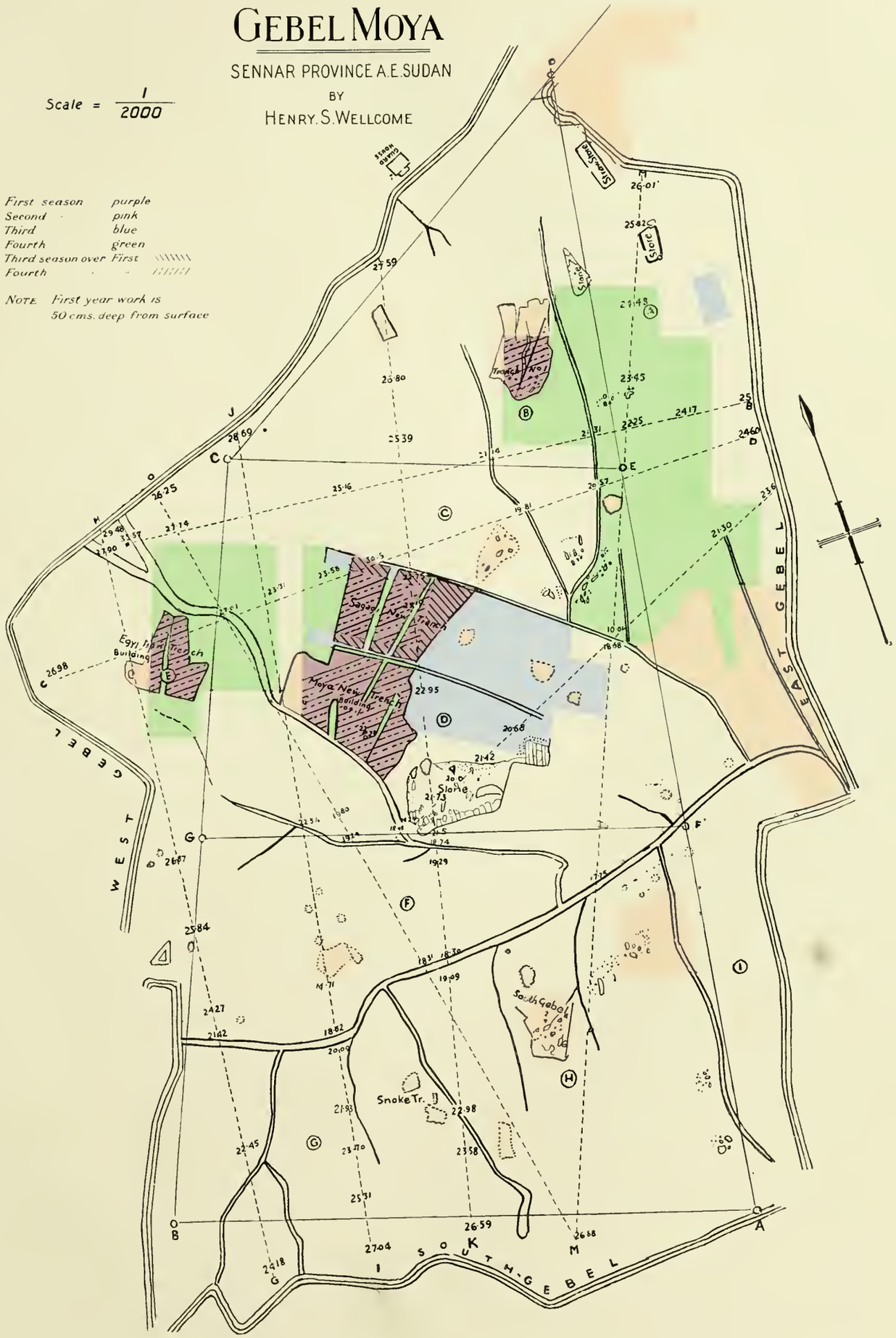
PLATE XIX

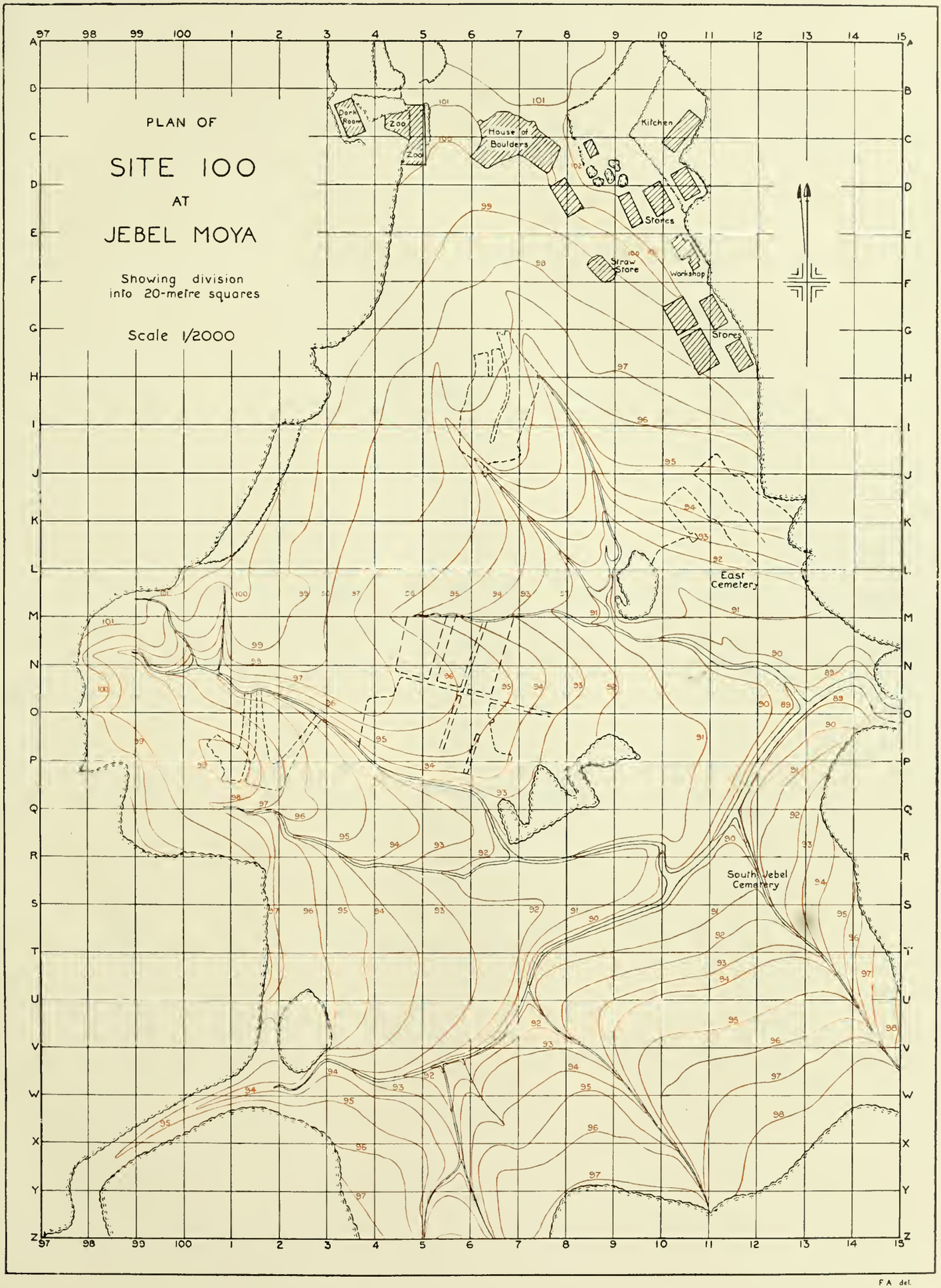
Archaeological Excavations
AT
Gebel Moya
SENNAR PROVINCE A.E.SUDAN
BY
HENRY.S.WELLCOME

Scale = 1/2000

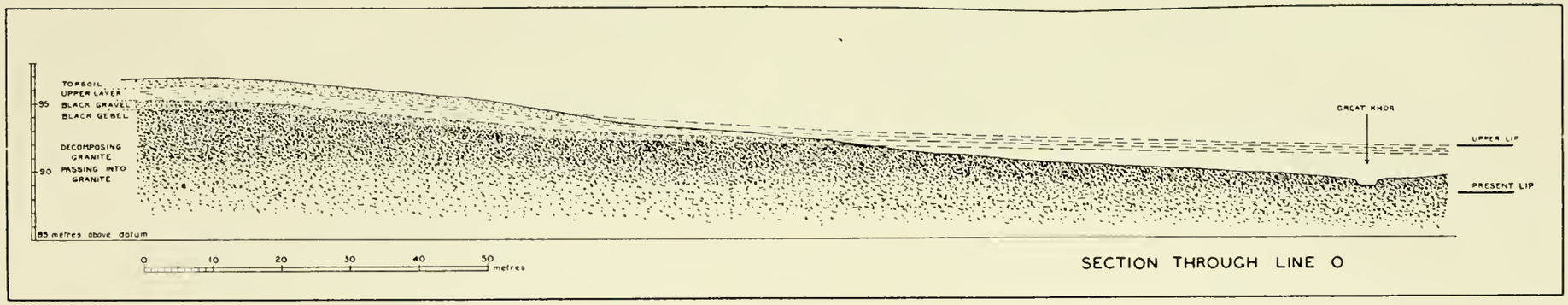
First season purple
Second pink
Third blue
Fourth green
Third season over First
Fourth

NOTE First year work is 50 cms. deep from surface




PLAN OF
SITE 100
AT
JEBEL MOYA
Showing division
into 20-metre squares
Scale 1/2000
Dark Room
Zoo
Zoo
House of Boulders
Kitchen
Stores
Straw Store
Workshop
Stores
East Cemetery
South Jebel Cemetery
F A del.

SECTIONS THROUGH STRATA



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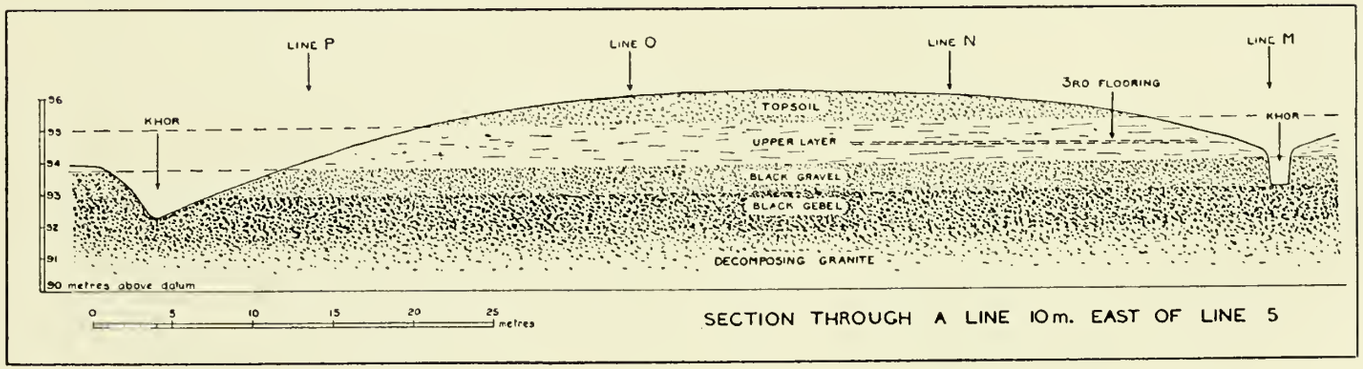

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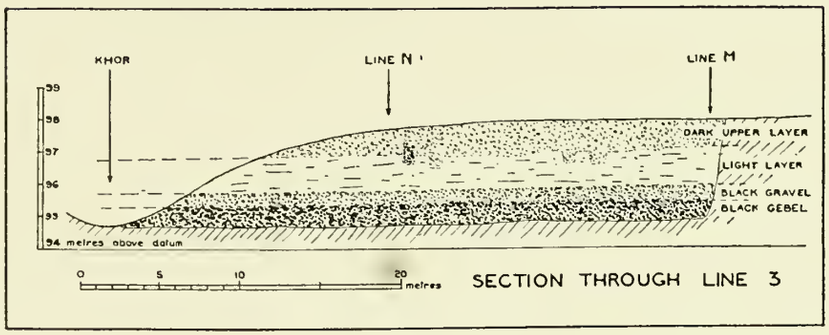

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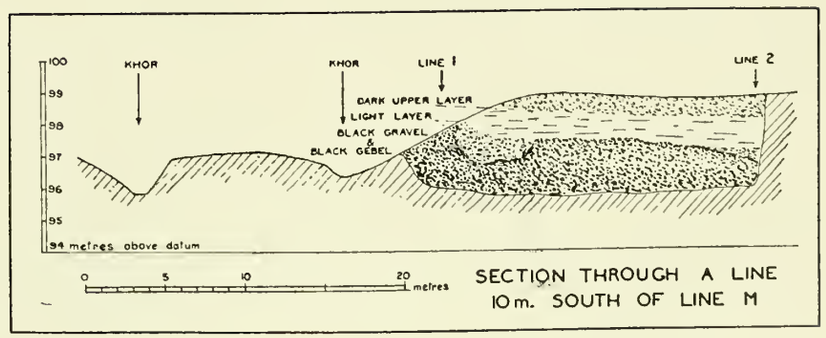
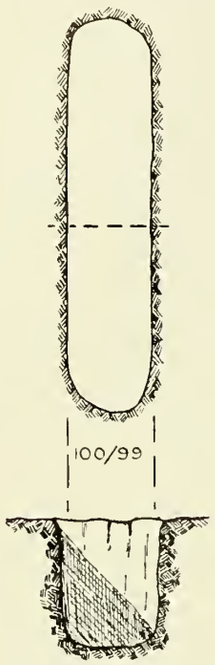


4

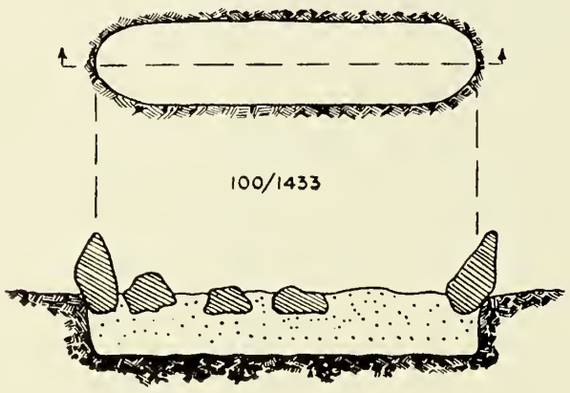
F.A.

PLATE XXII

TOMB TYPES



1a



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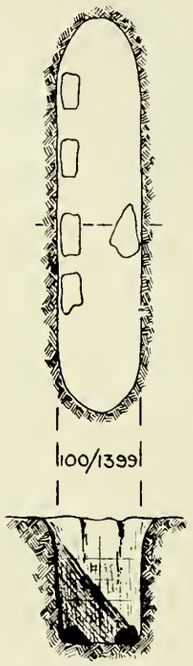
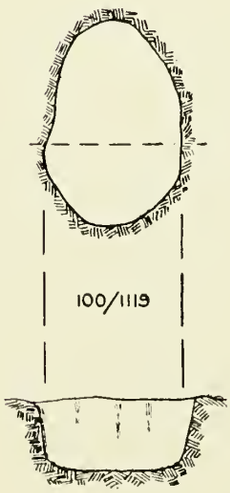


1c

1b



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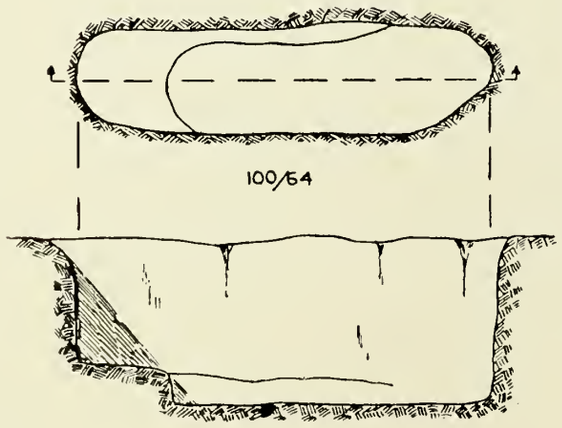

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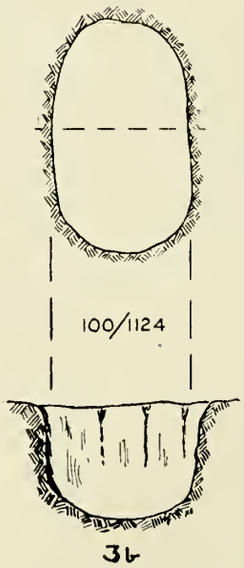


3b

K

BURIAL ATTITUDES

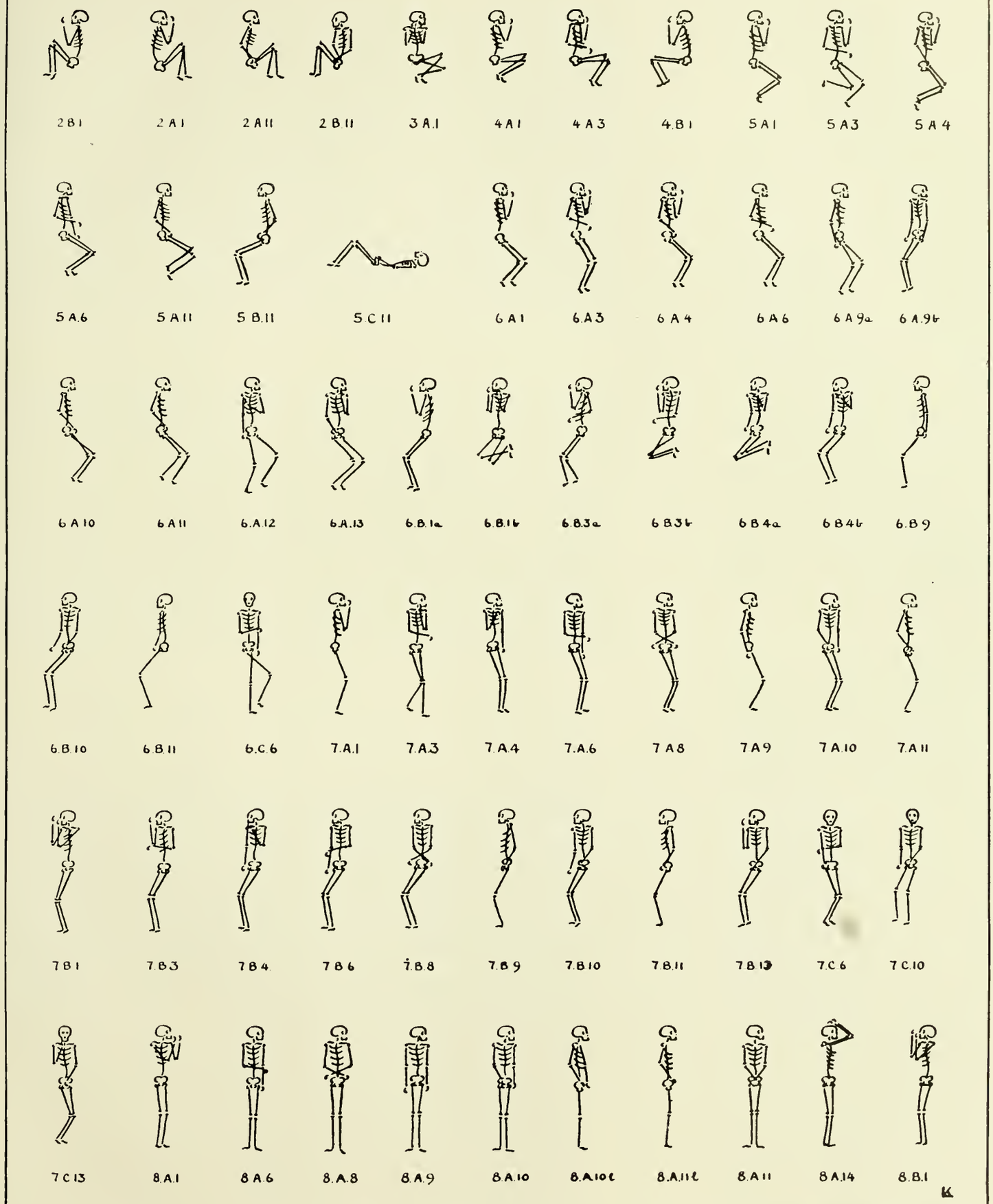
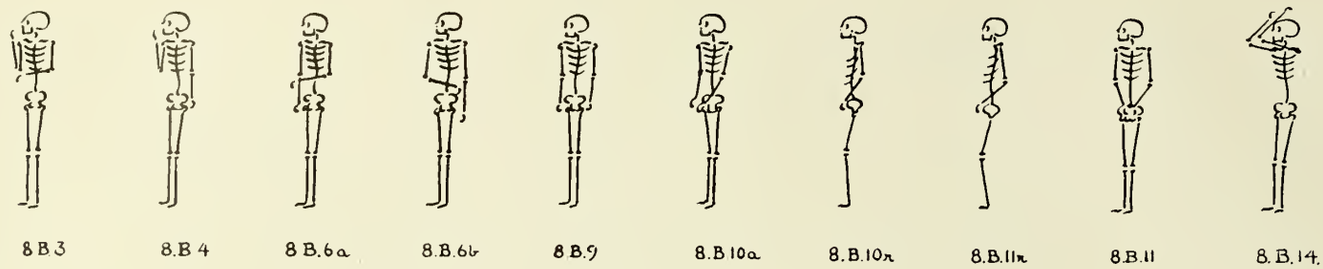


PLATE XXV

BURIAL ATTITUDES



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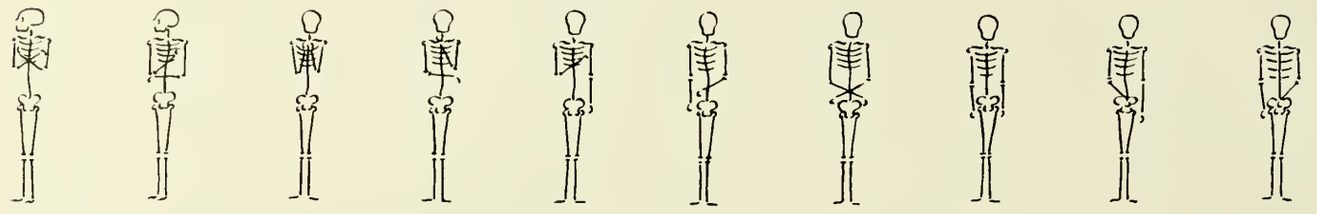

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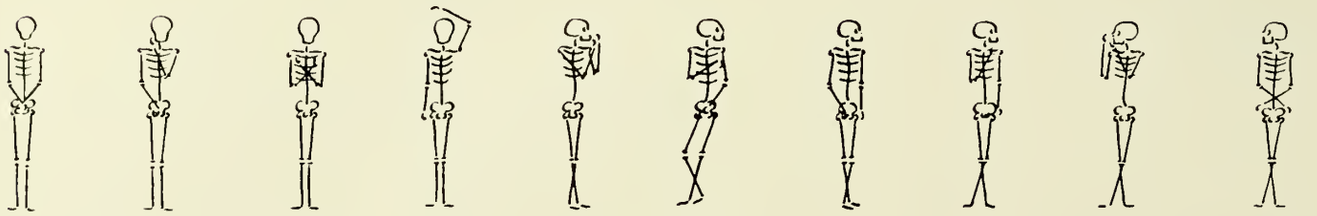
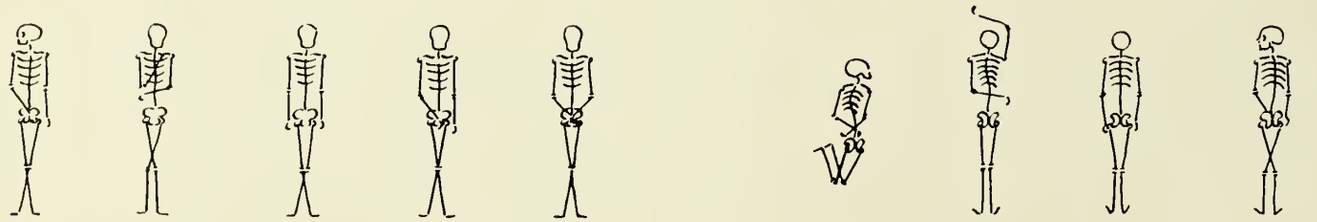


8.C.11 8.C.13 8.C.15 8.C.17 9.A.1 9.A.5 9.A.10 9.A.12 9.B.1 9.B.8



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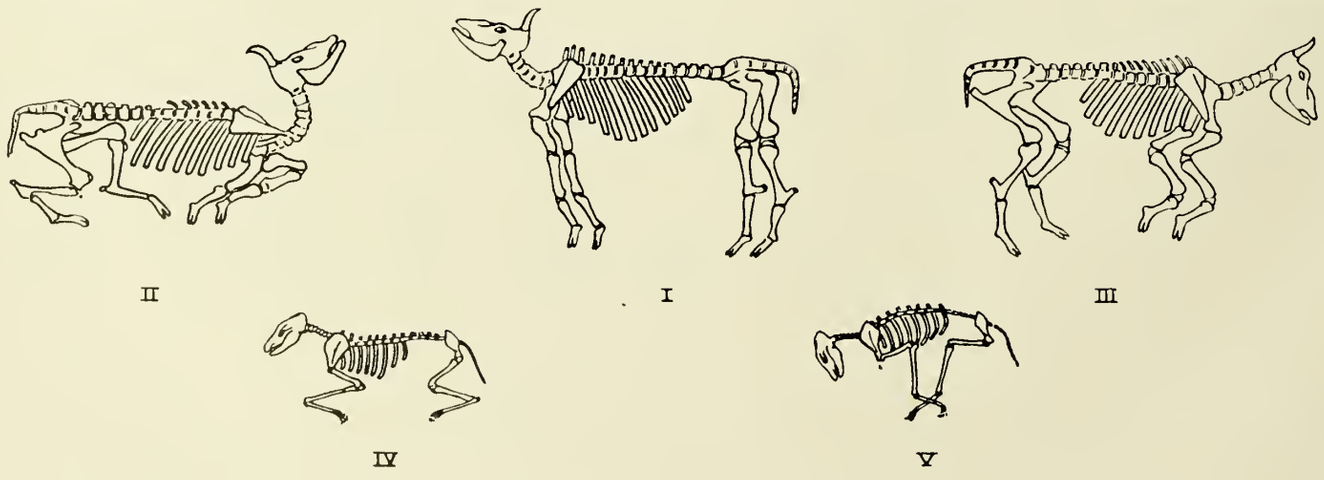


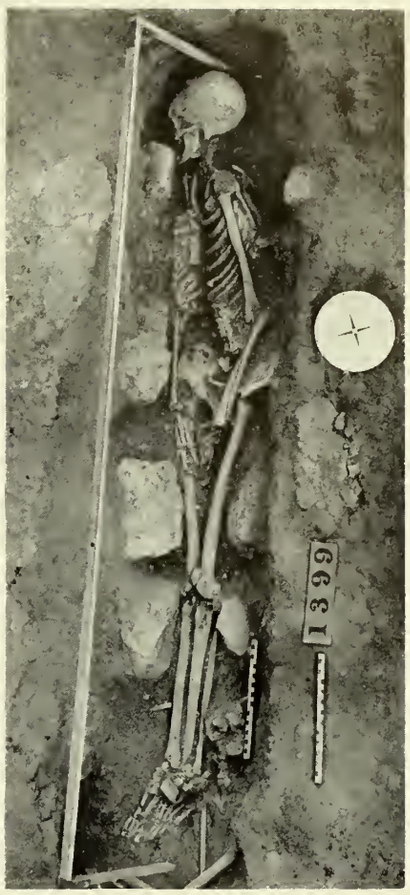
II I III

IV V

BURIALS

1

1



2

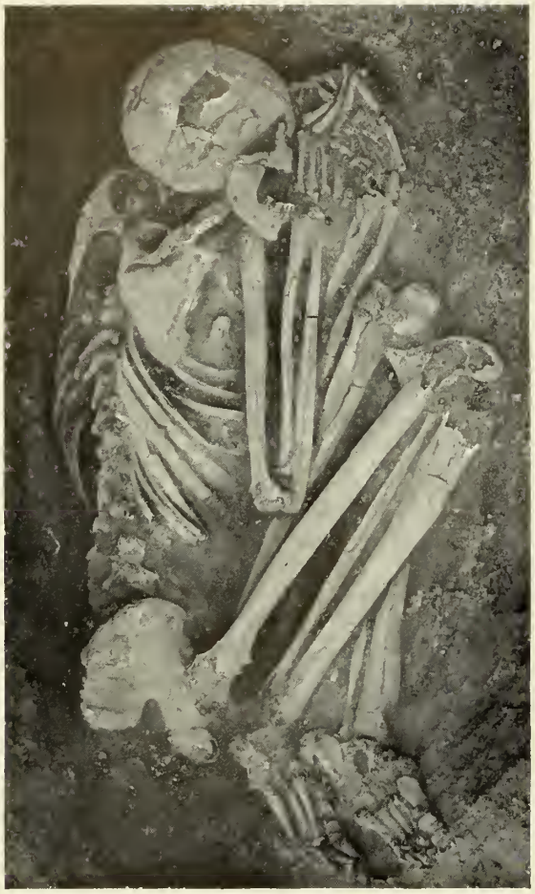
3

4

1. Two views of stones above grave 100/1433. 2. Stones at side of body. 3. An unusual burial attitude. 4. Stones above body.

See Text, pp. 47, 50

1. 100/1119



2. 100/1124

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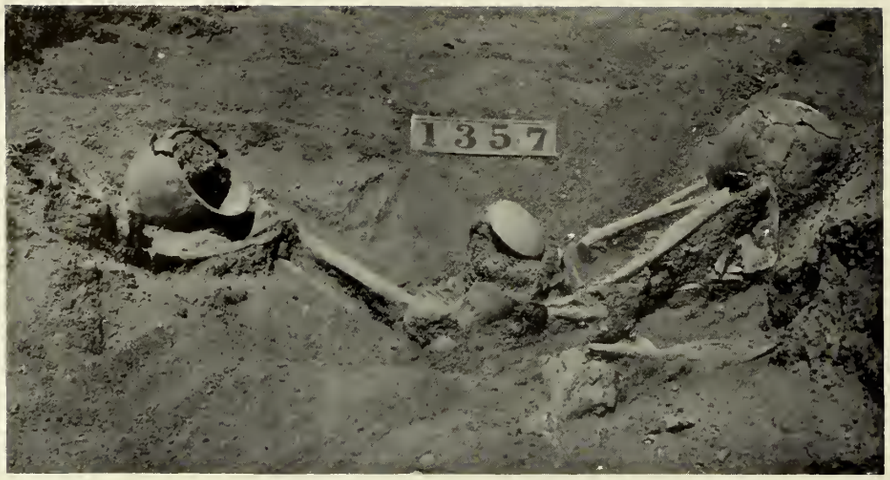


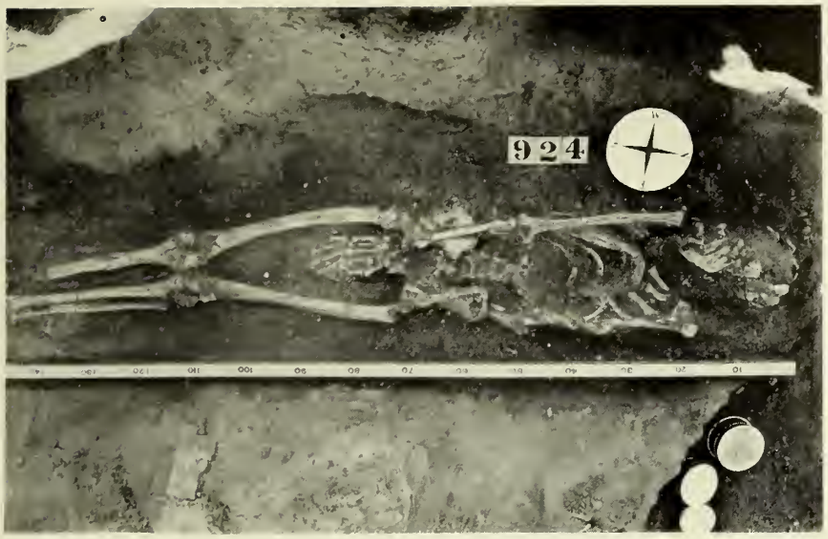
4

5

1 & 2. Contracted burials. 3, 4, & 5. Unusual burial attitudes

See Text, p. 50

1



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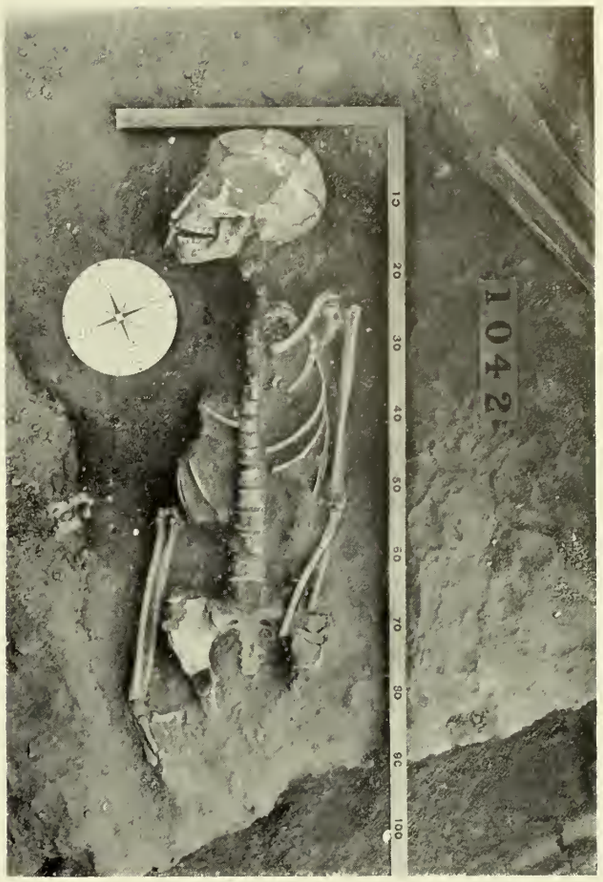
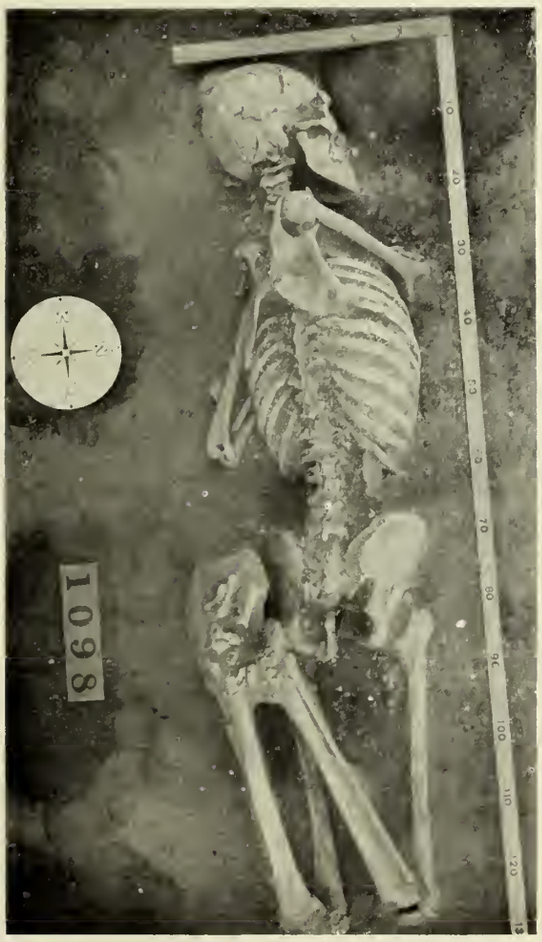




3

4

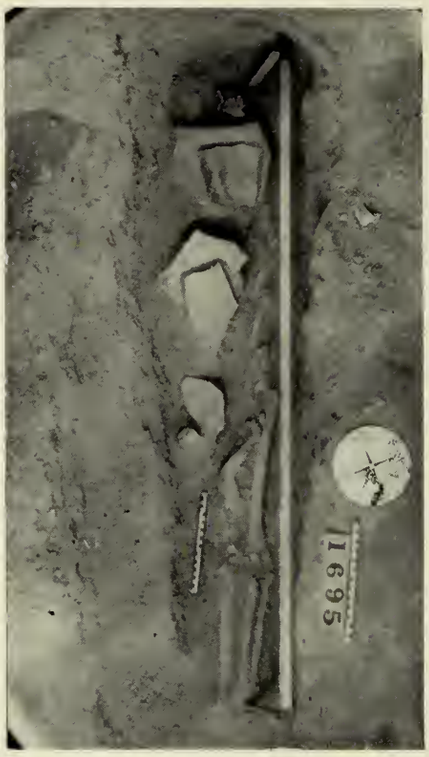
1 & 3. Bodies bound before burial. 2 & 4. Bodies possibly mutilated before burial

See Text, p. 50

BURIALS

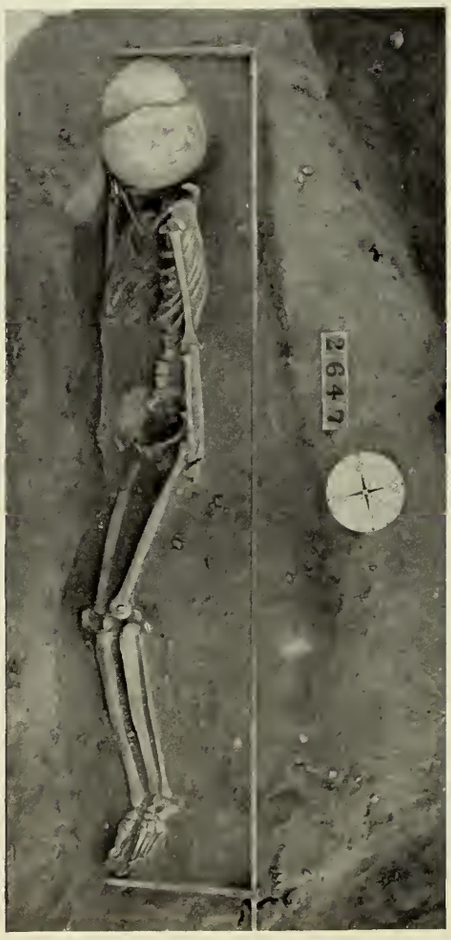
1

2



3

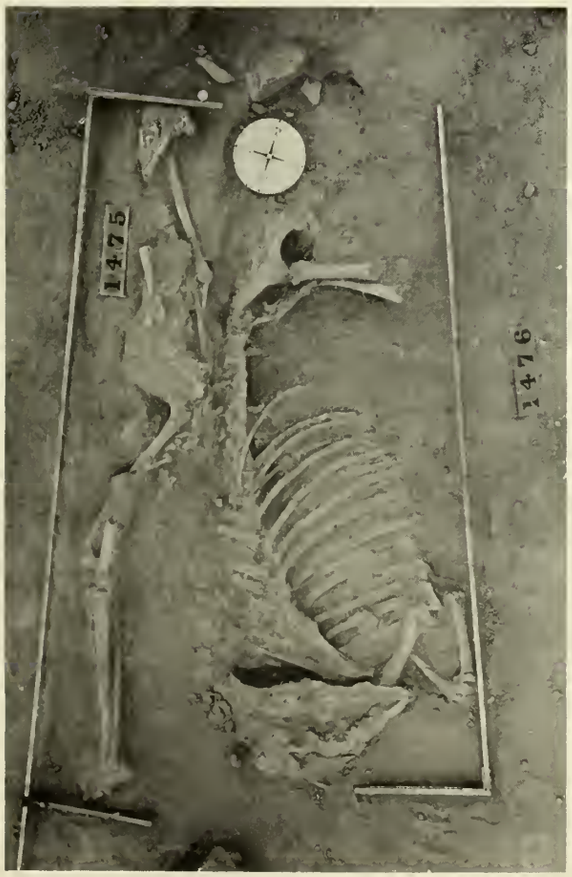
4

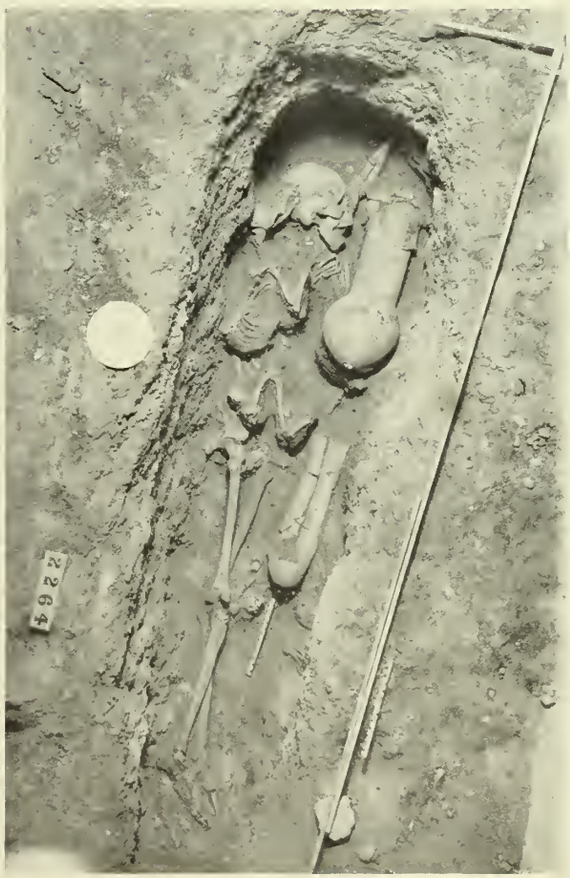


Photographs showing large potsherds strewn over bodies

See Text, p. 52

BURIALS

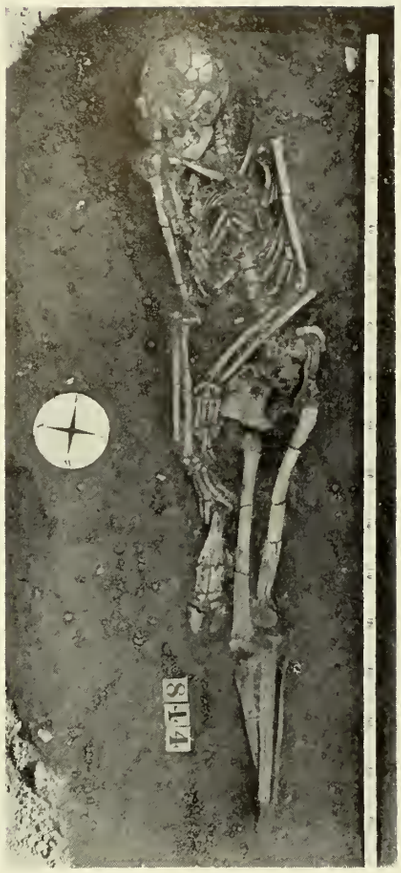




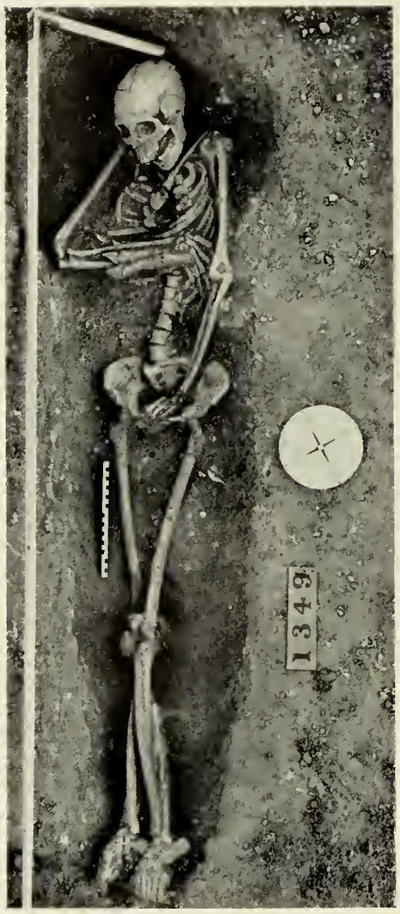
Animal burials
See Text, pp. 56–8

BURIALS

1



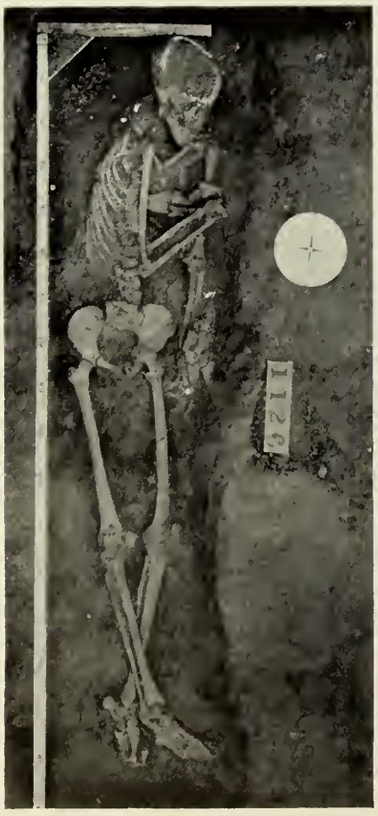
2



3

4

5



6

Burials with cows' feet *in situ*

See Text, pp. 59–61

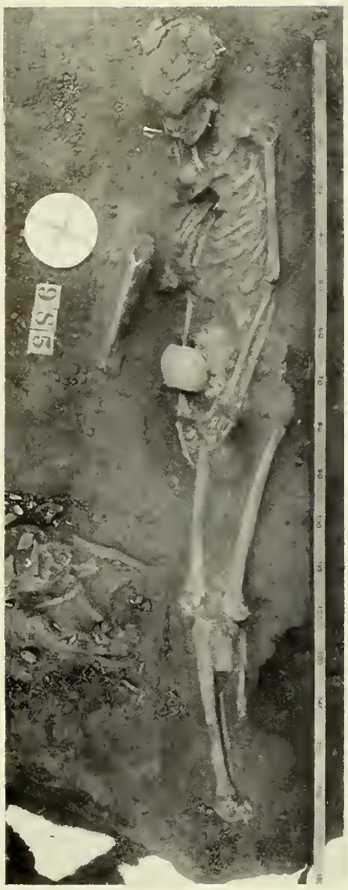
1 2 3

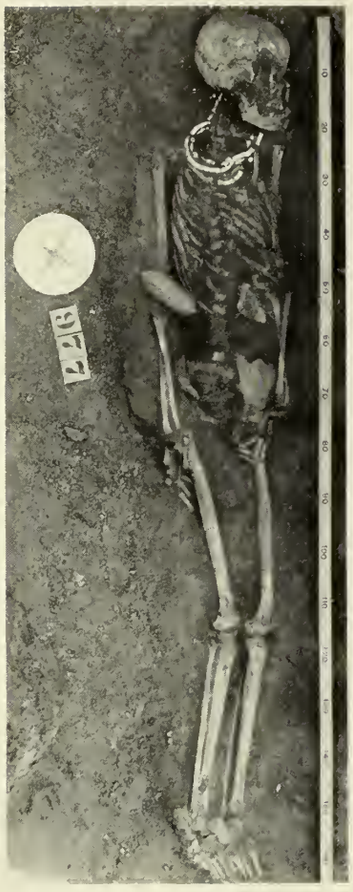
4 5 6

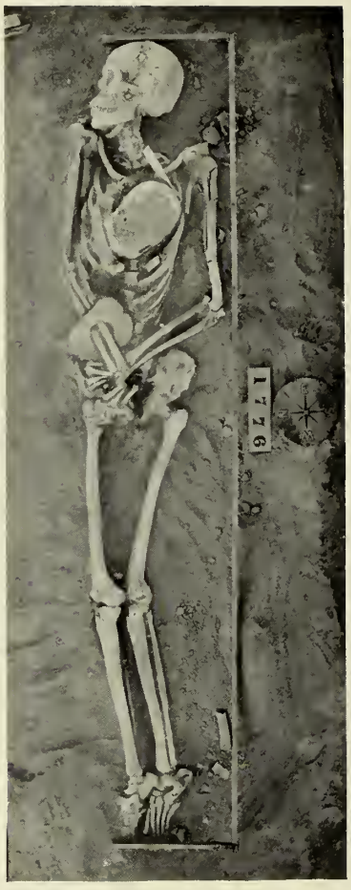
1 & 2. Bead aprons *in situ*. 3. Detail of 2. 4 & 5. Shell girdles *in situ*. 6. Beads and shell pendants *in situ*

See Text, pp. 109, 135

1 2 3





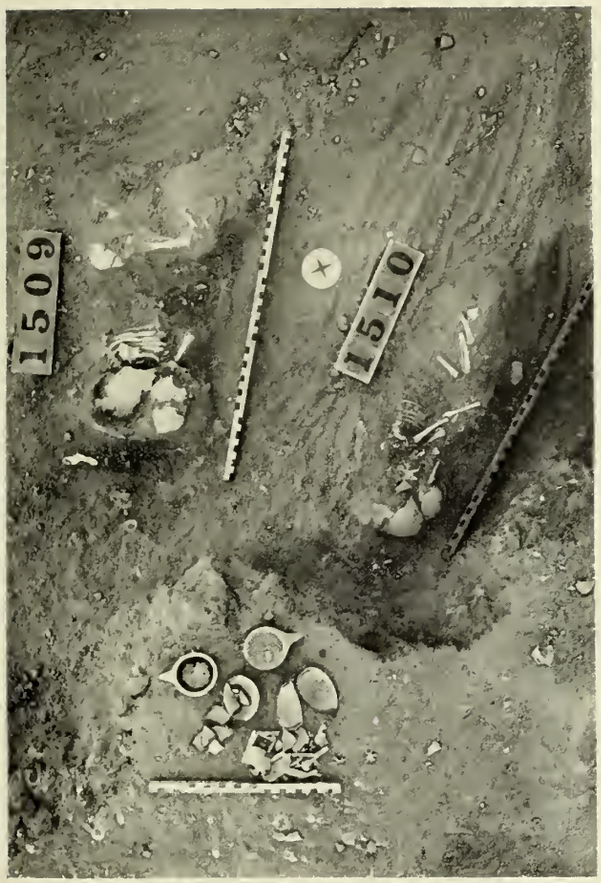


4 5 6

Photographs showing stone and ivory armlets *in situ*

See Text, pp. 131, 132, 165, 166

1



2

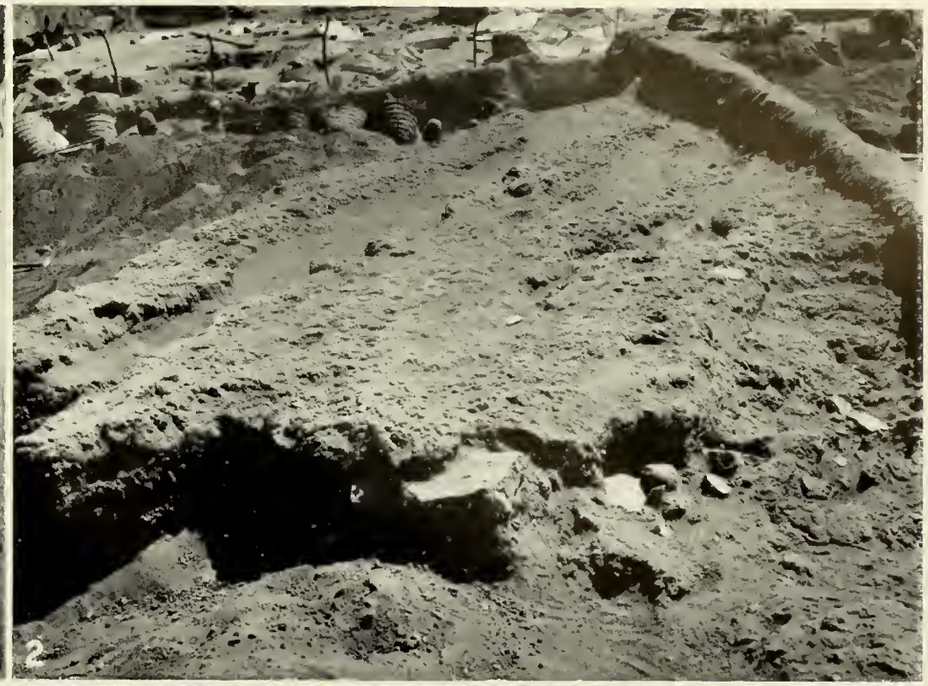
3

4

5

Photographs showing pots *in situ*

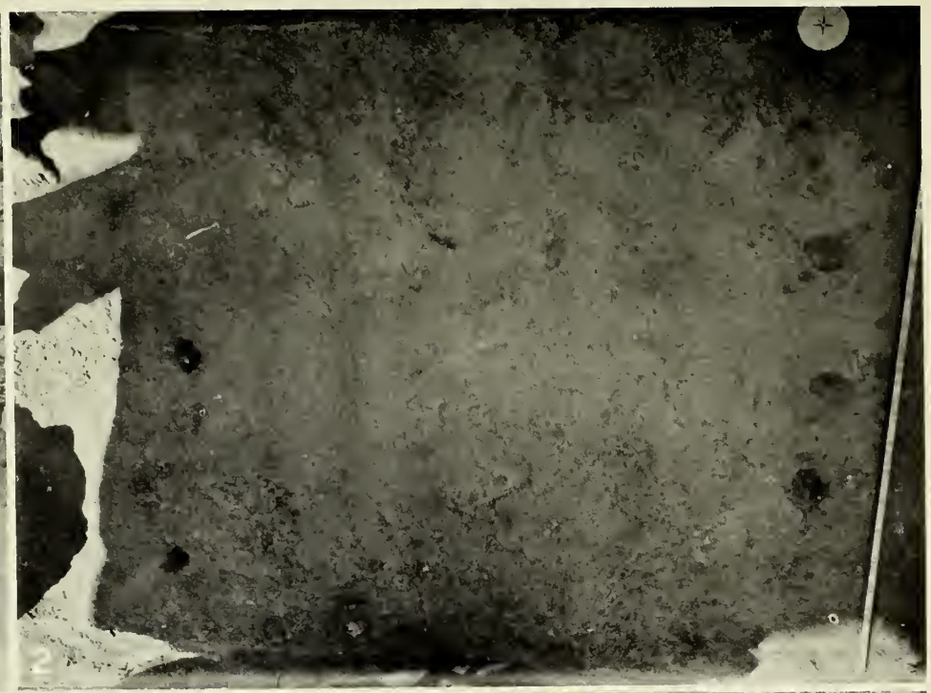
See Text, pp. 88, 90–2

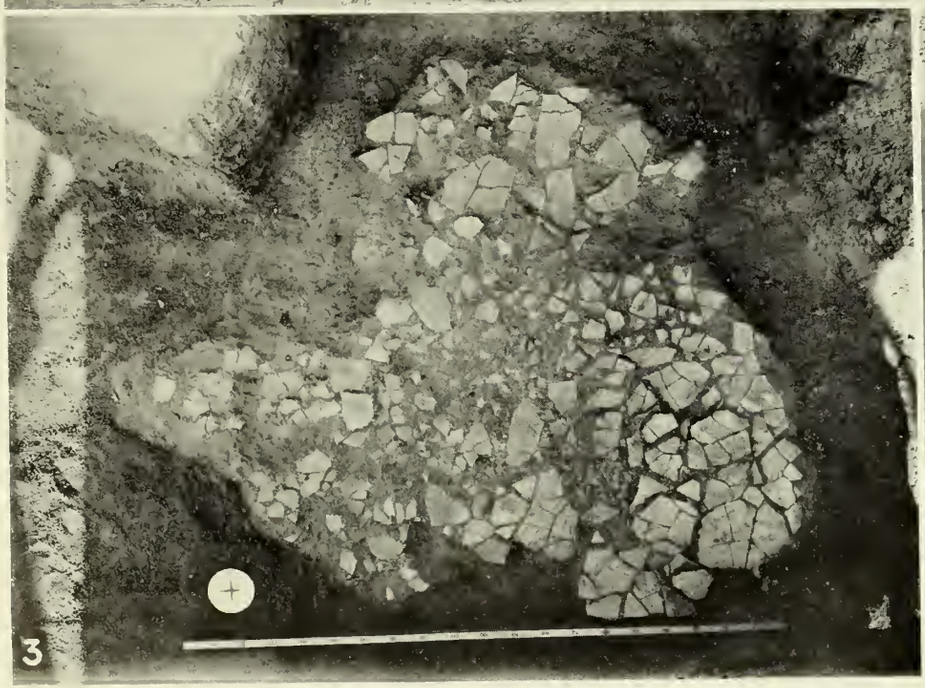


1. Fragments of mud plaster, section 329
3. 'White paving' in section 312

2. Floor in section 344
4. 'White paving' in section 306

See Text, pp. 97, 99



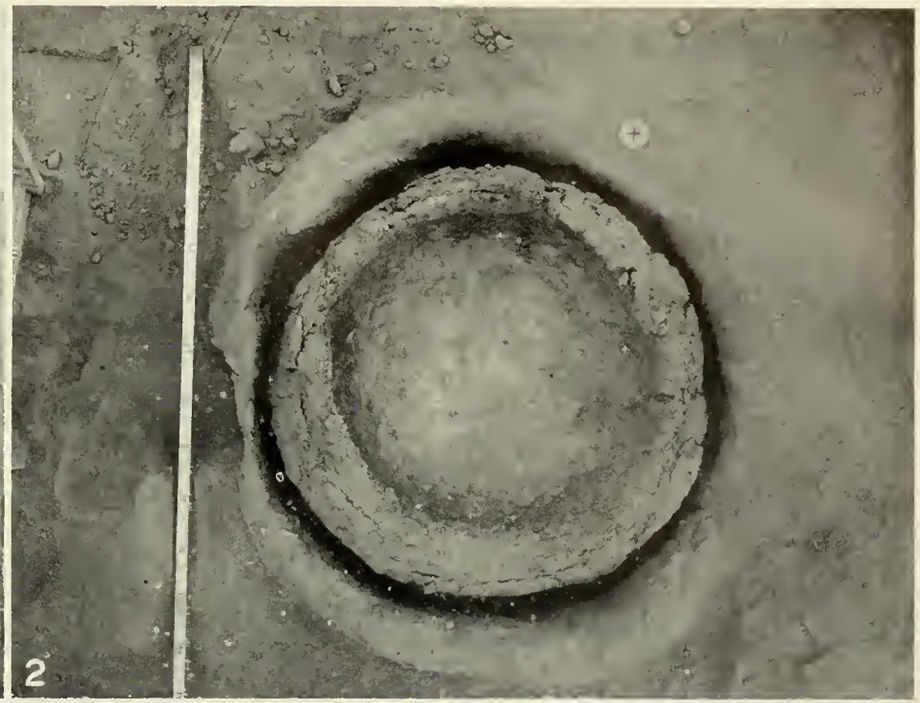


1. View of 'white paving' looking south
3. Flooring of potsherds, section 190

2. Floor with post-holes, D surface, section 322
4. Flooring in section 362

See Text, pp. 98–101

FIREPLACES OR OVENS



1. Fireplace or oven in section 330
2. View looking down on (1)
3. Side view of oven in section 321
4. View looking down on (3)

See Text, p. 102

1. Oven in section 326

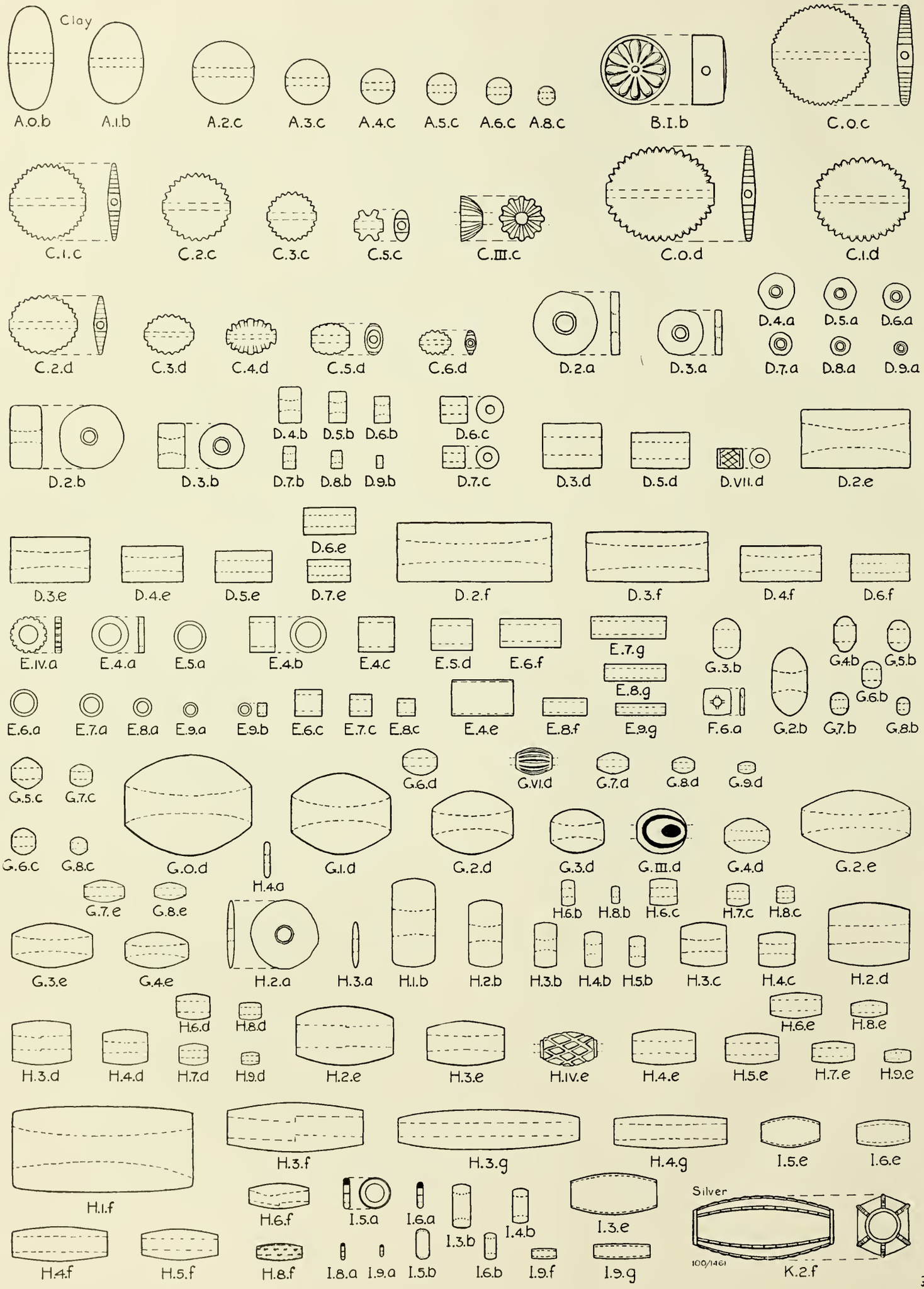
2. Ovens in section 289

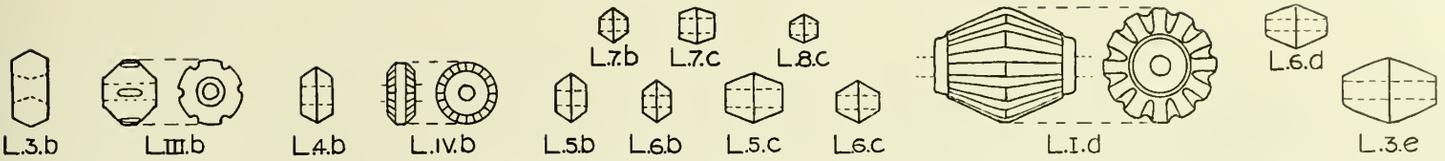
3. Superimposed ovens in section 326

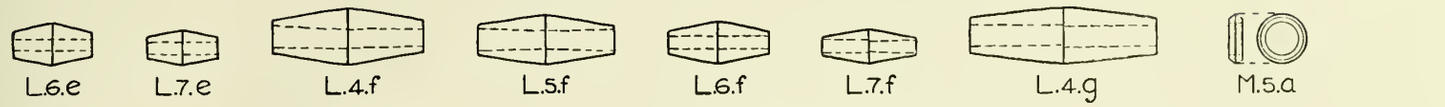
4. View looking down on 3
See Text, pp. 102, 103

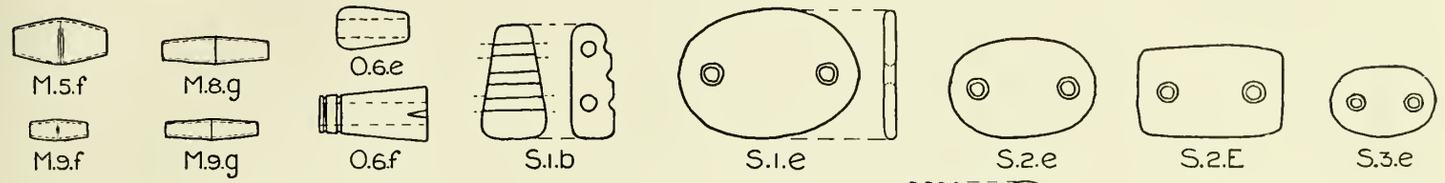
5. Re-used oven in section 355

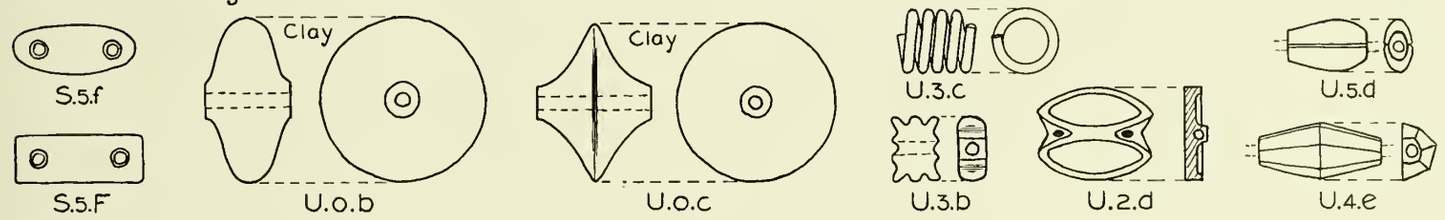
BEAD TYPES A–K. 1:1



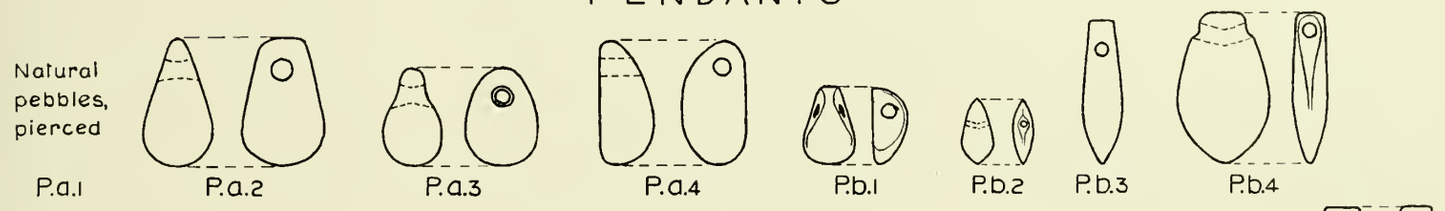


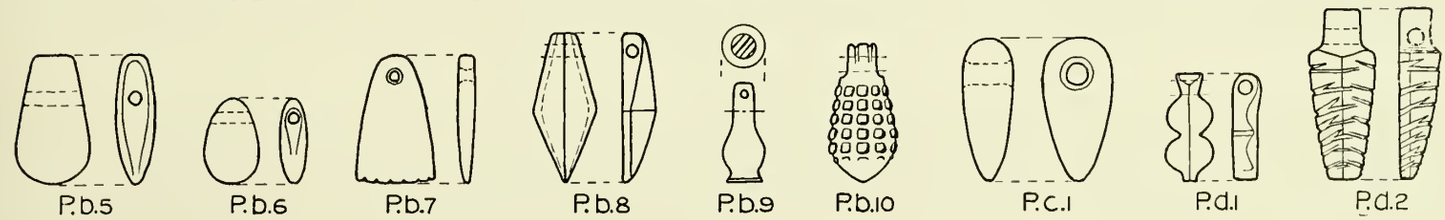




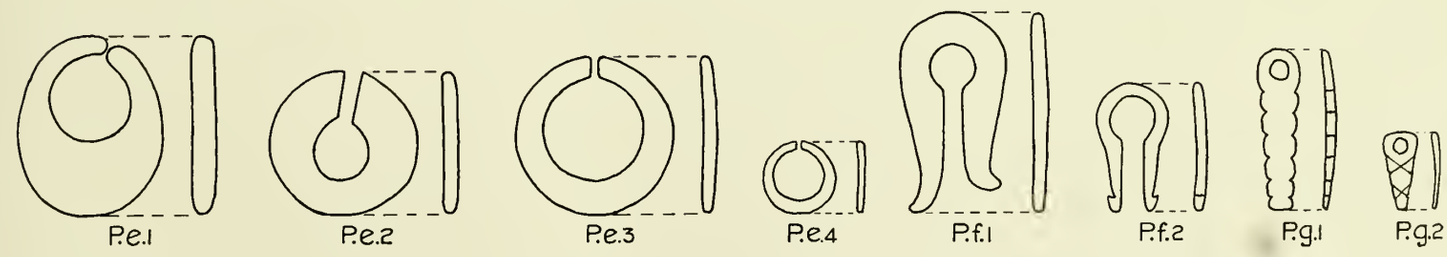


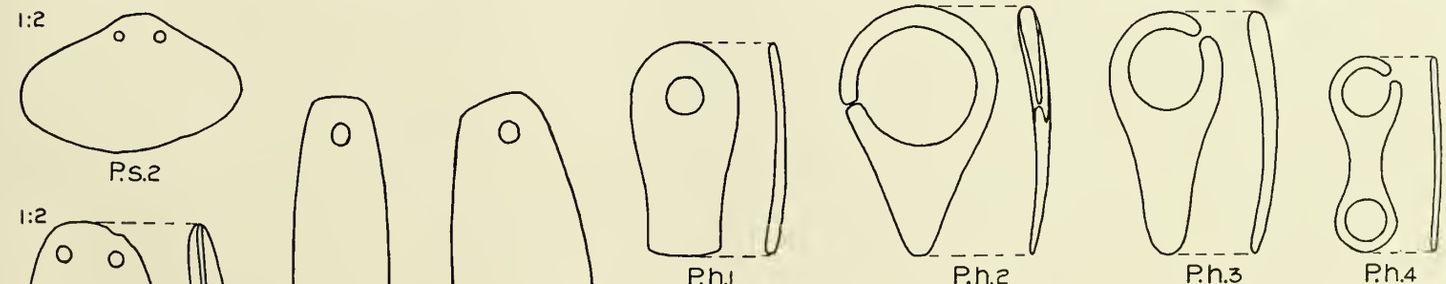
PENDANTS





SHELL ORNAMENTS AND PENDANTS





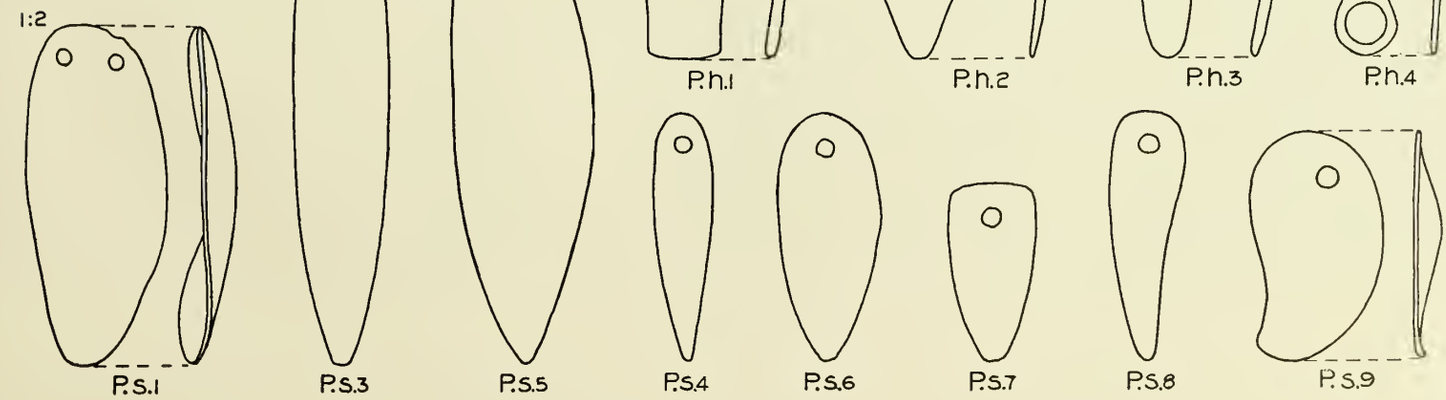
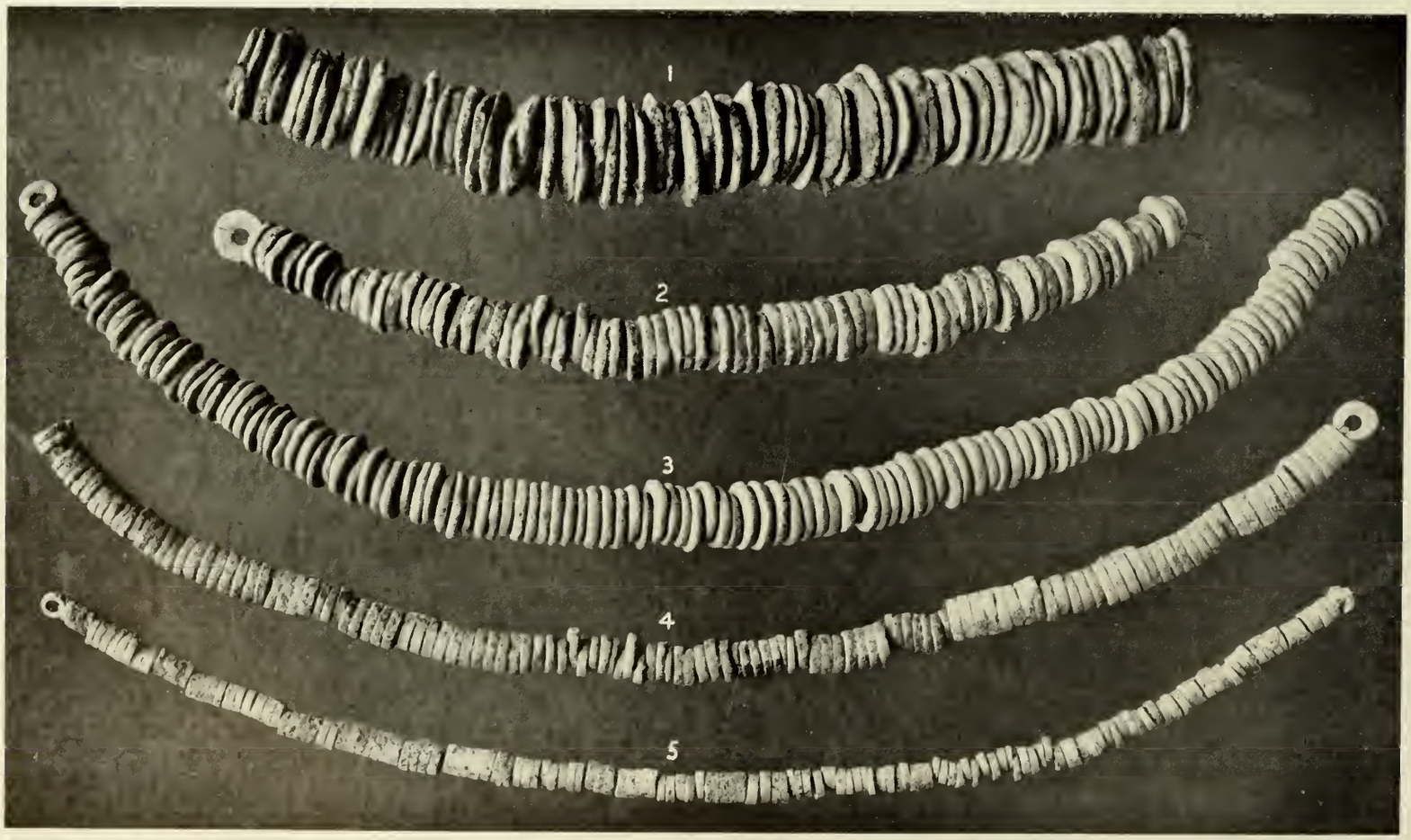


PLATE XLI

BEADS

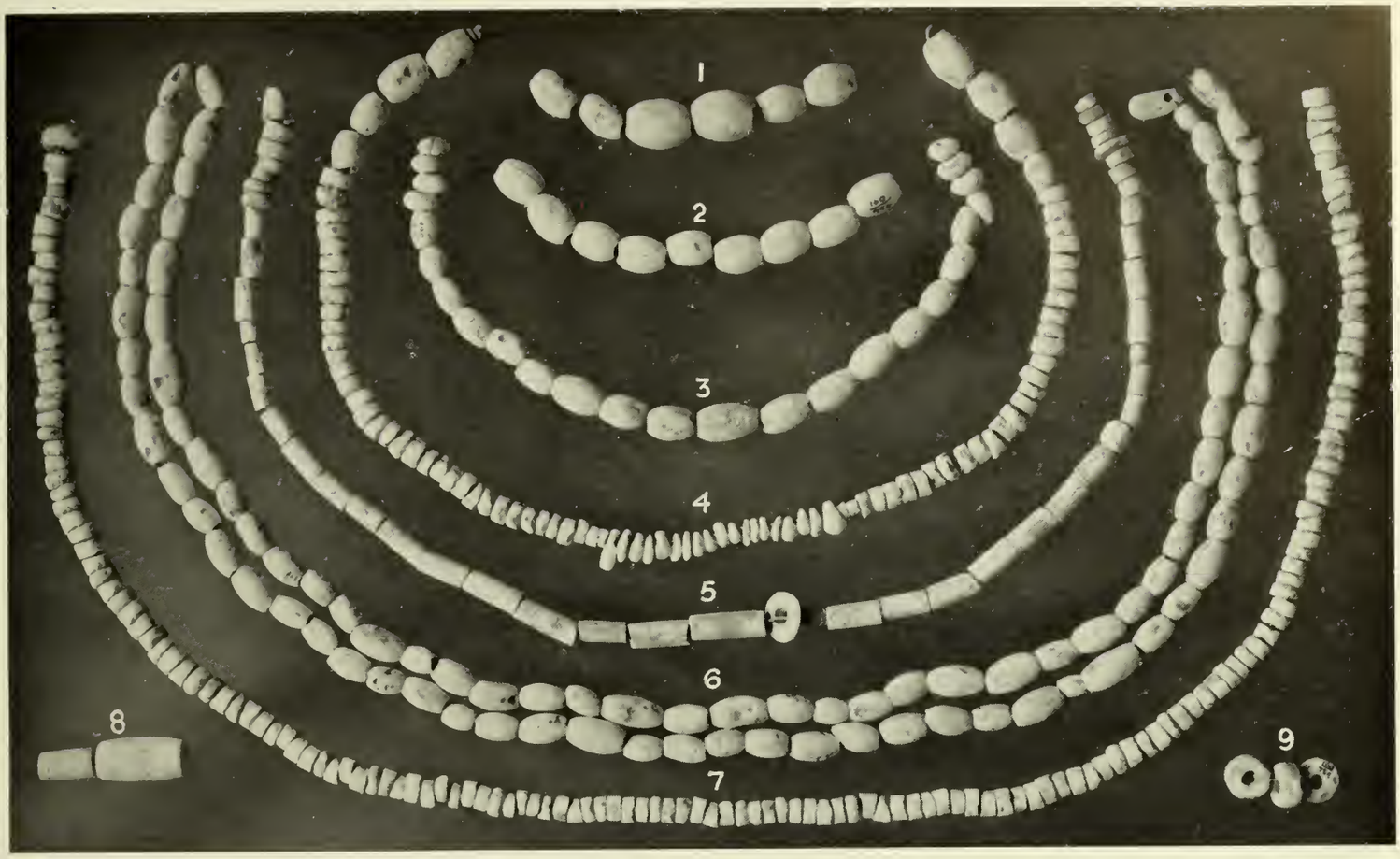
Stages in the manufacture of ostrich egg shell and natrolite beads

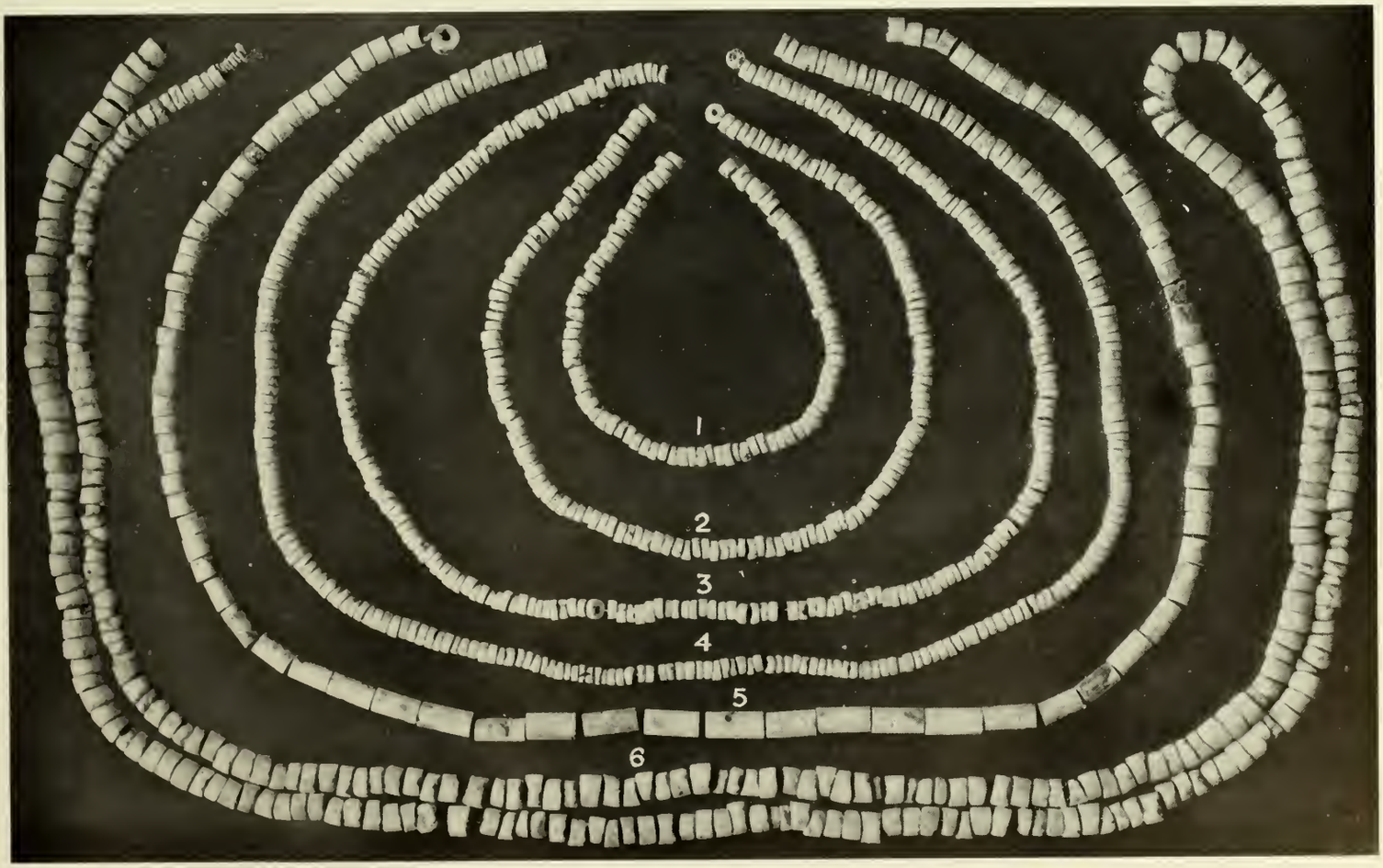


Ostrich egg shell beads, actual size

See Text, p. 119

BEADS



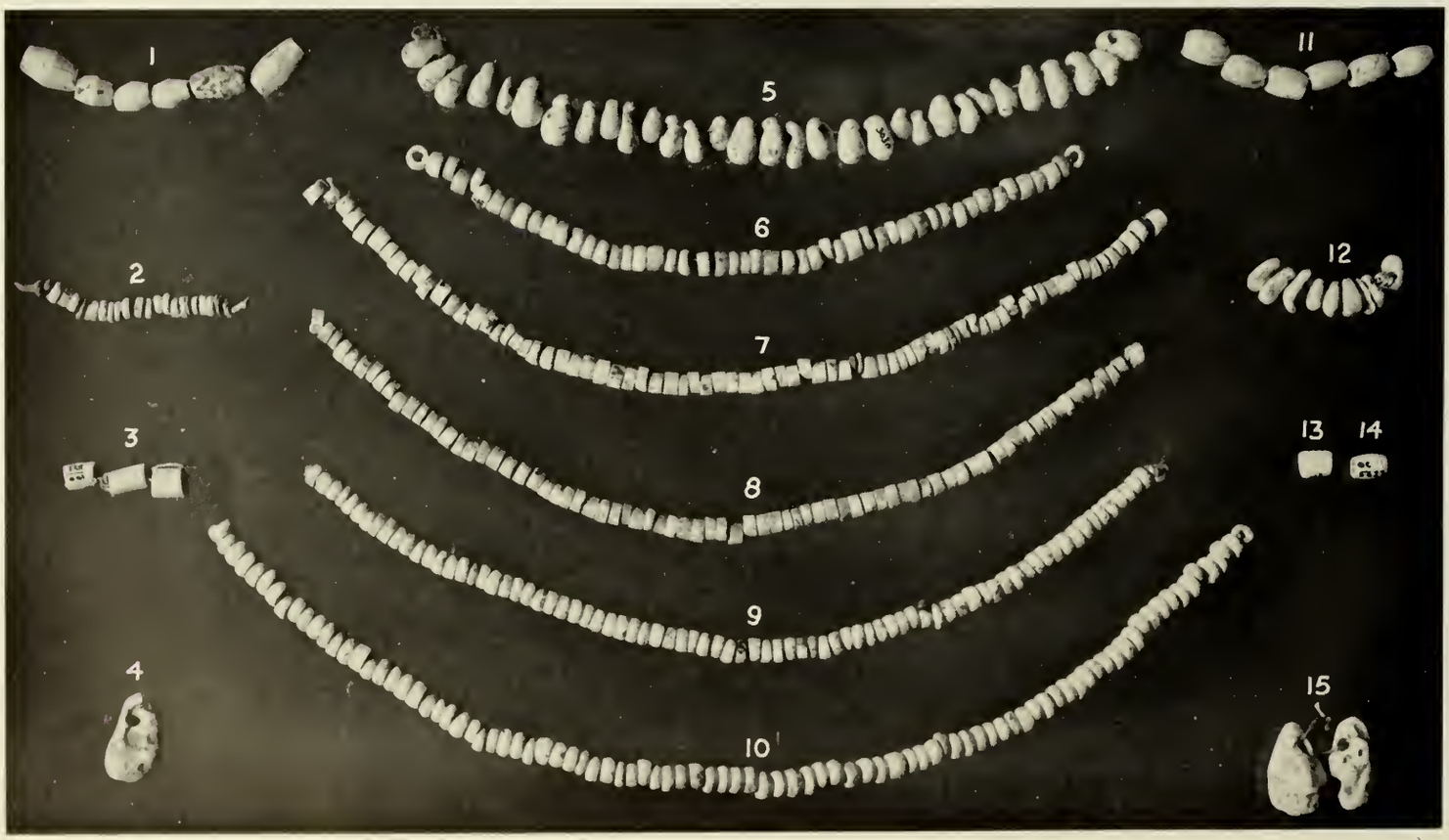


Natrolite beads and pendants. 1:3

See Text, p. 119

PLATE XLIII

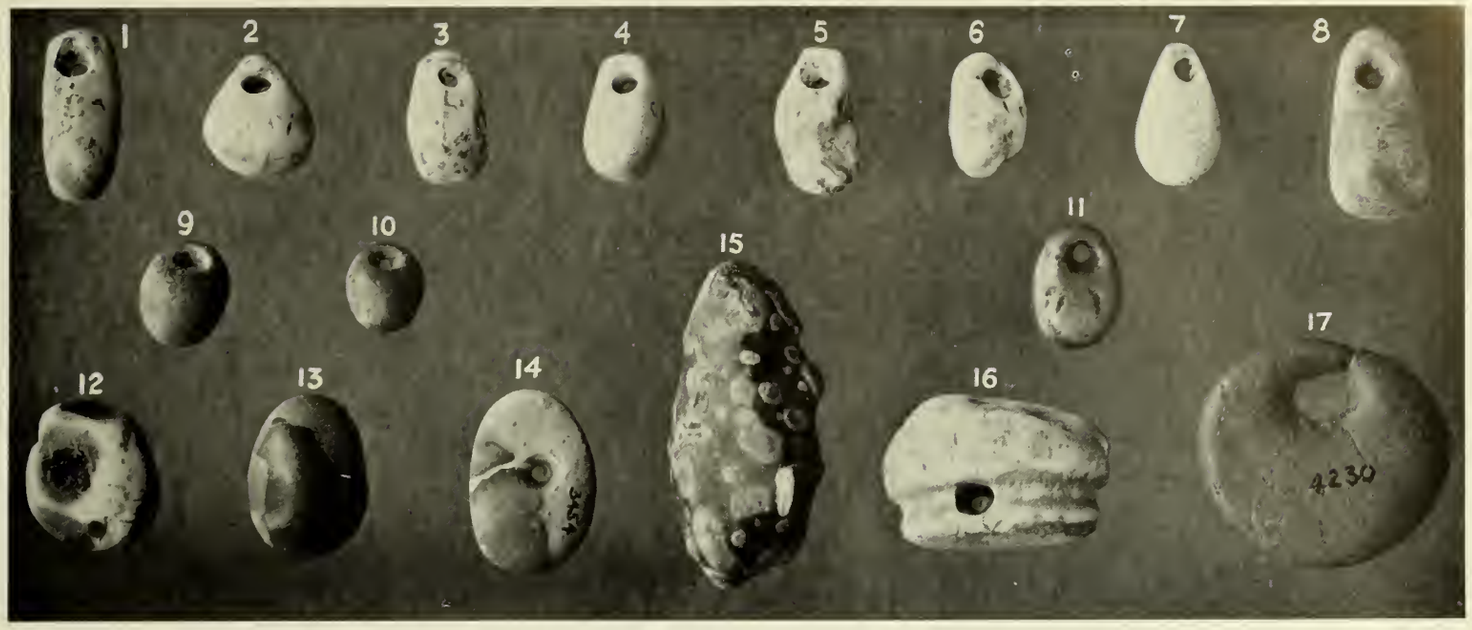
BEADS



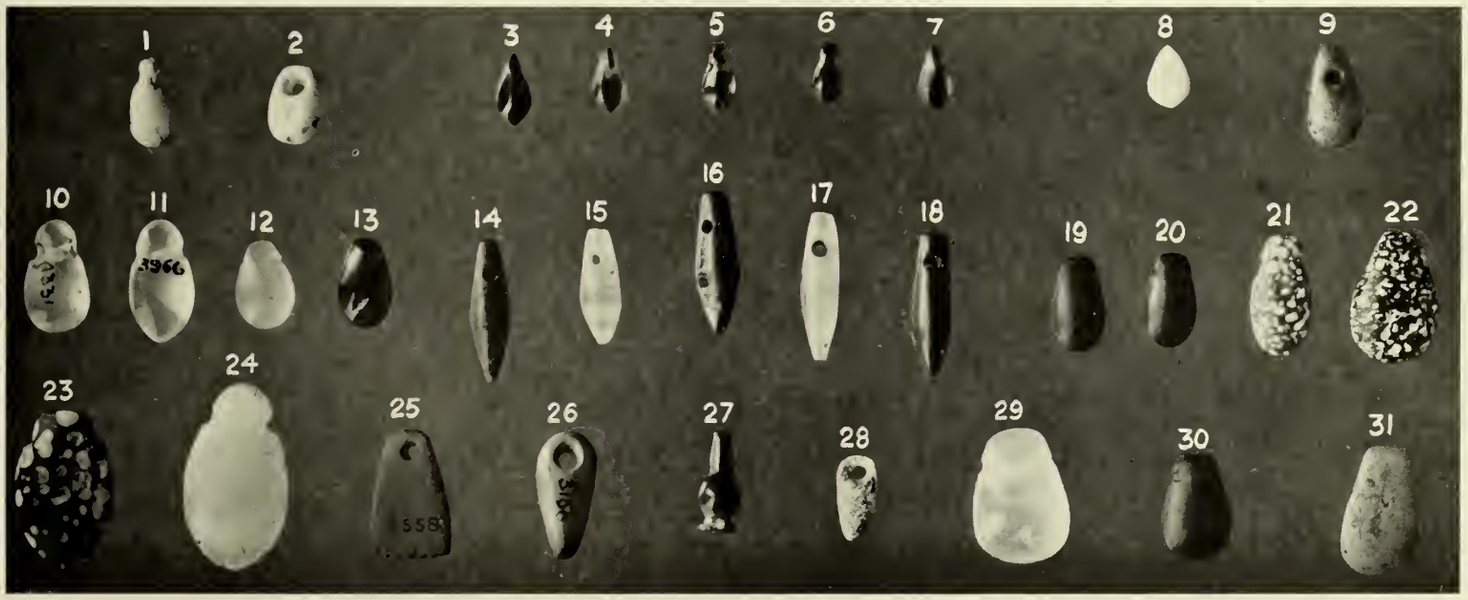
Natrolite beads and pendants. 1:2

See Text, p. 120

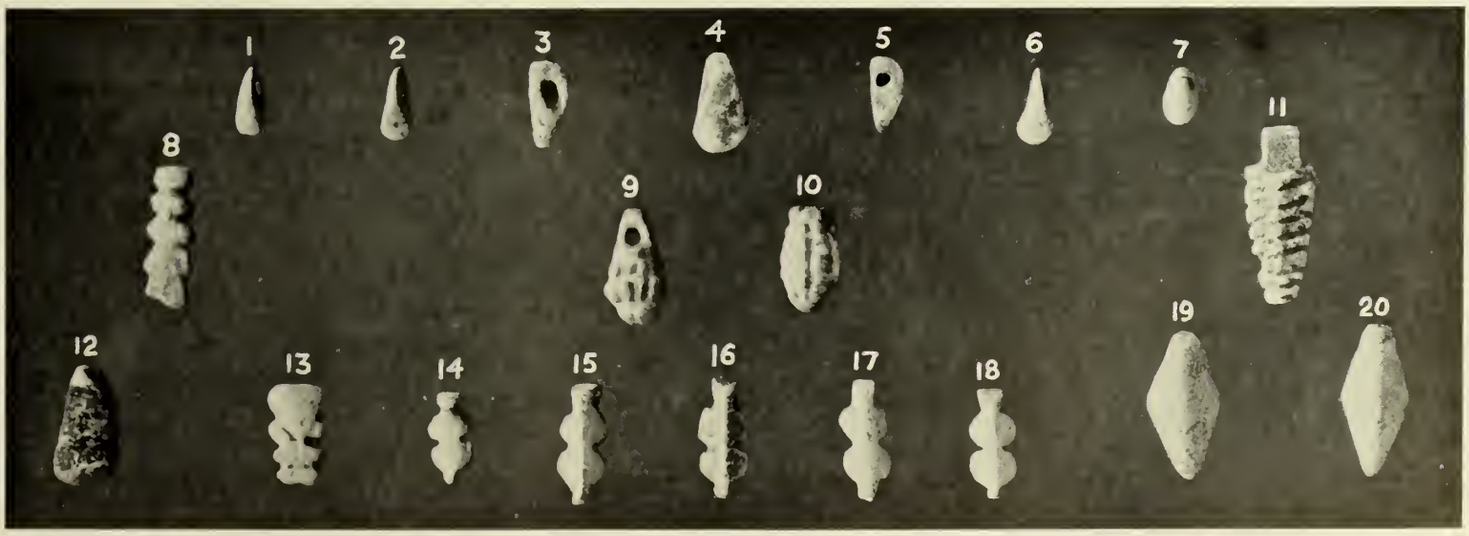
PENDANTS



Natrolite and stone. 1:1



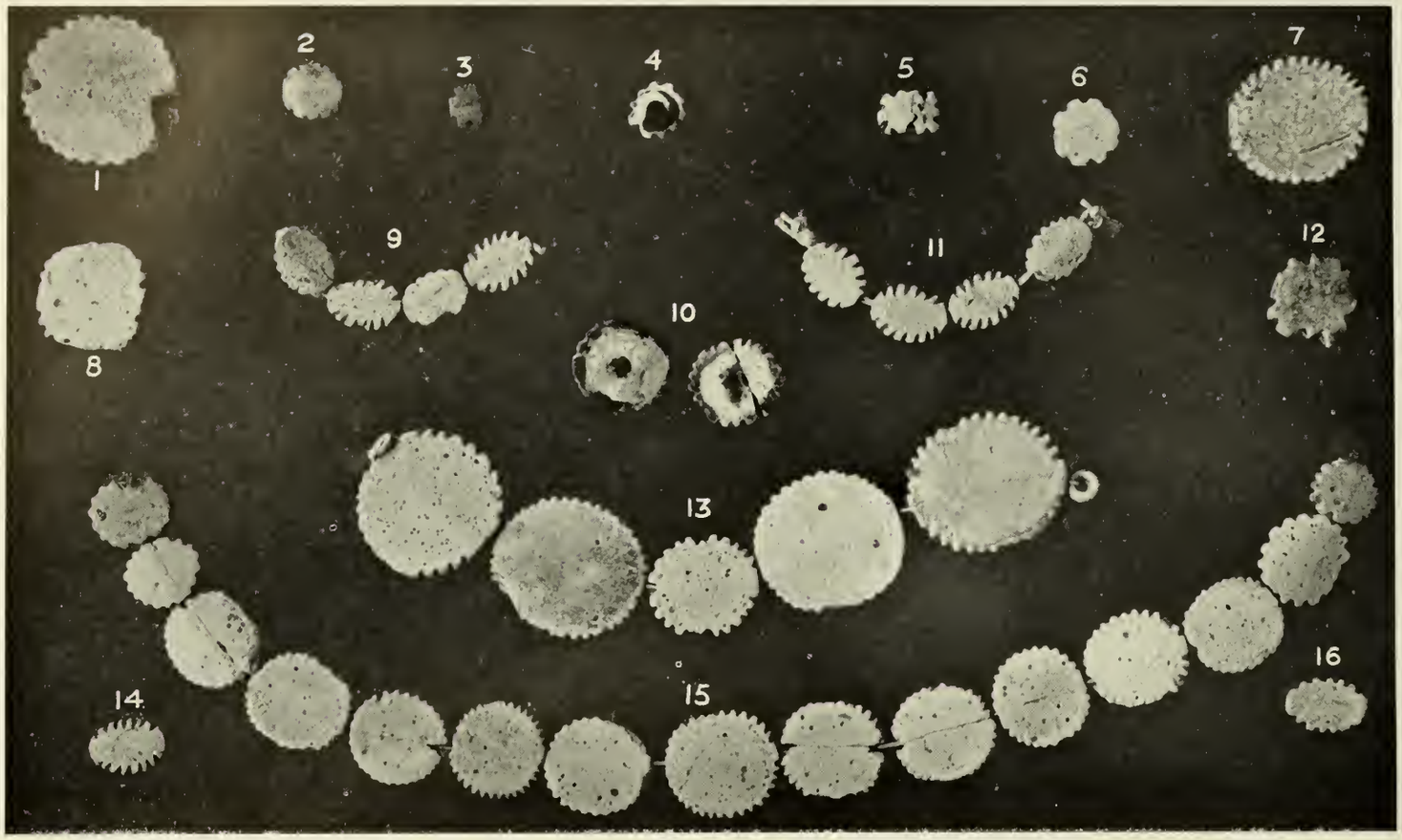
Carnelian, crystal, jasper, &c. 1:1



Faience. 1:1

See Text, pp. 120, 121

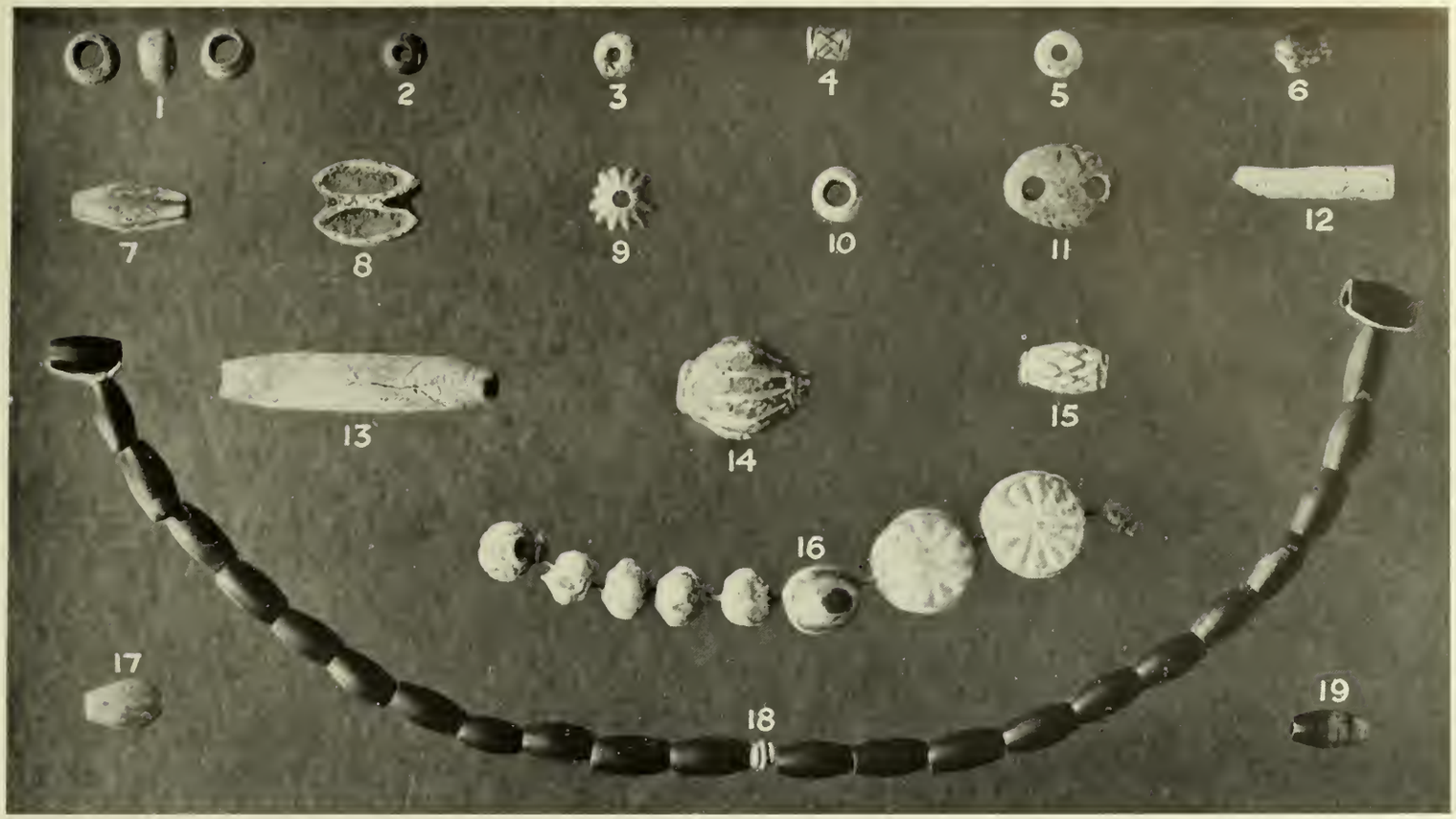
BEADS



Faience beads, except string No. 4 in lower photograph. 1:1

See Text, p. 122

BEADS

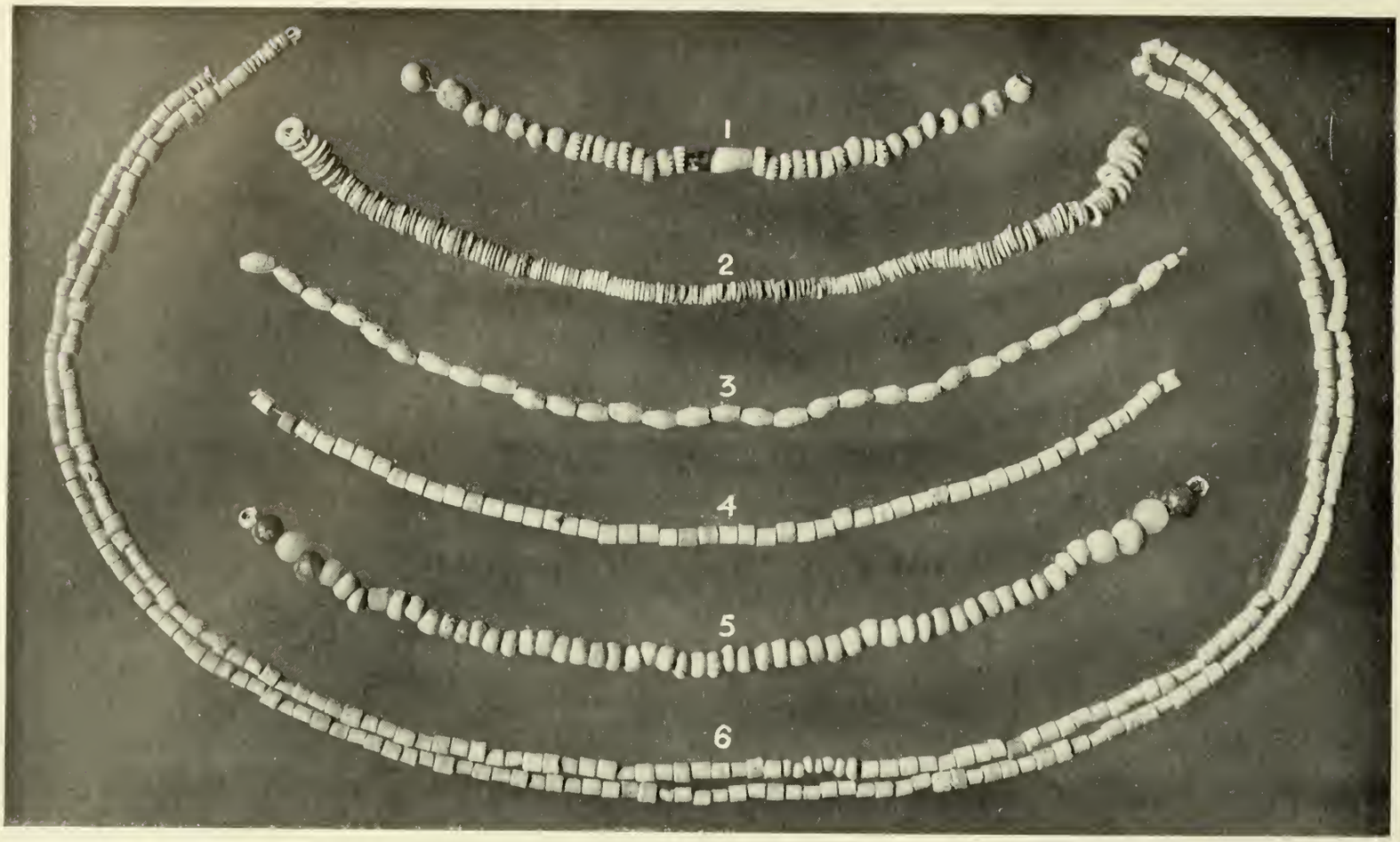


Faience and jasper. 1:1

Chalcedony, jasper, &c. 1:1

See Text, pp. 122, 123

BEADS

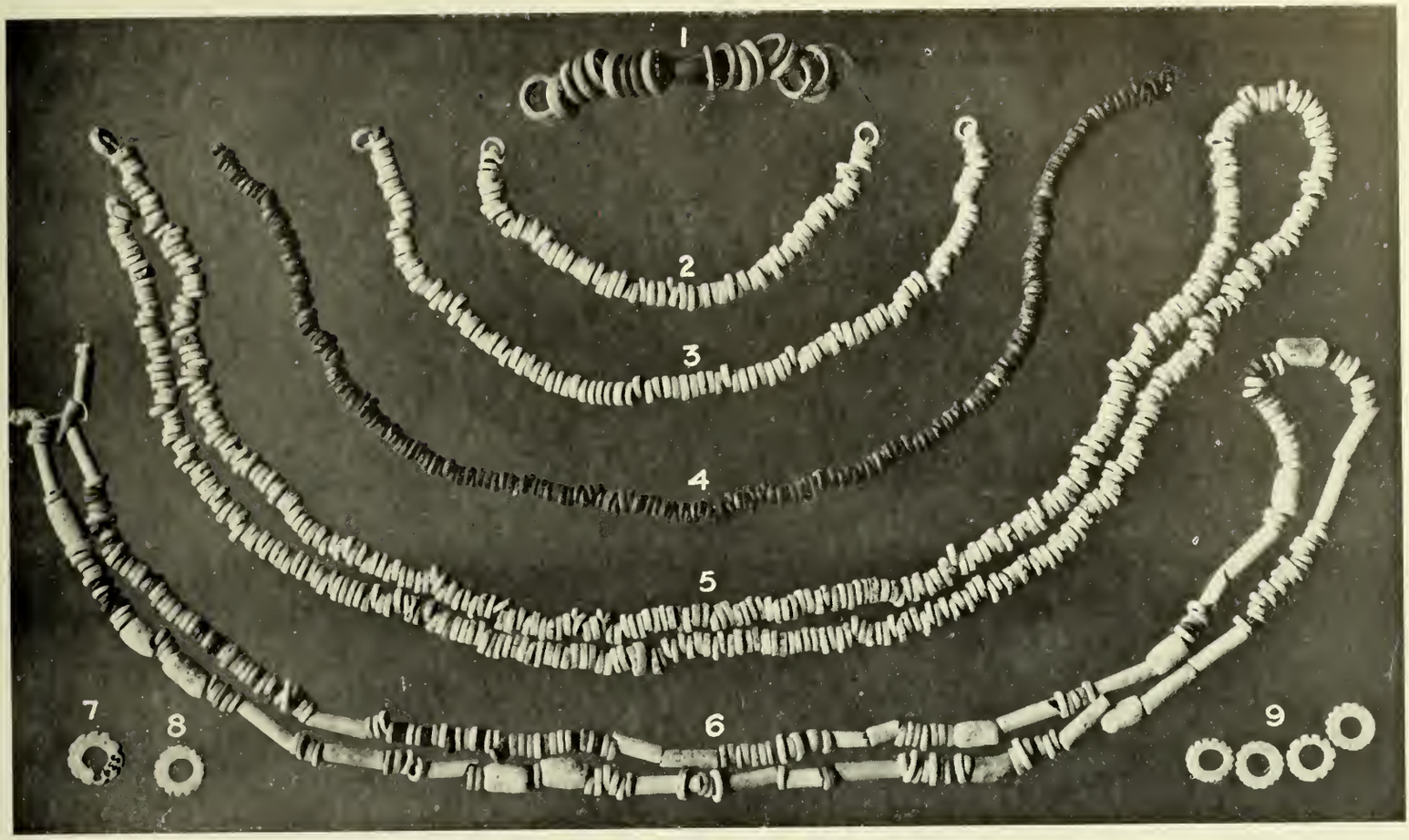


Mostly faience. 1:2

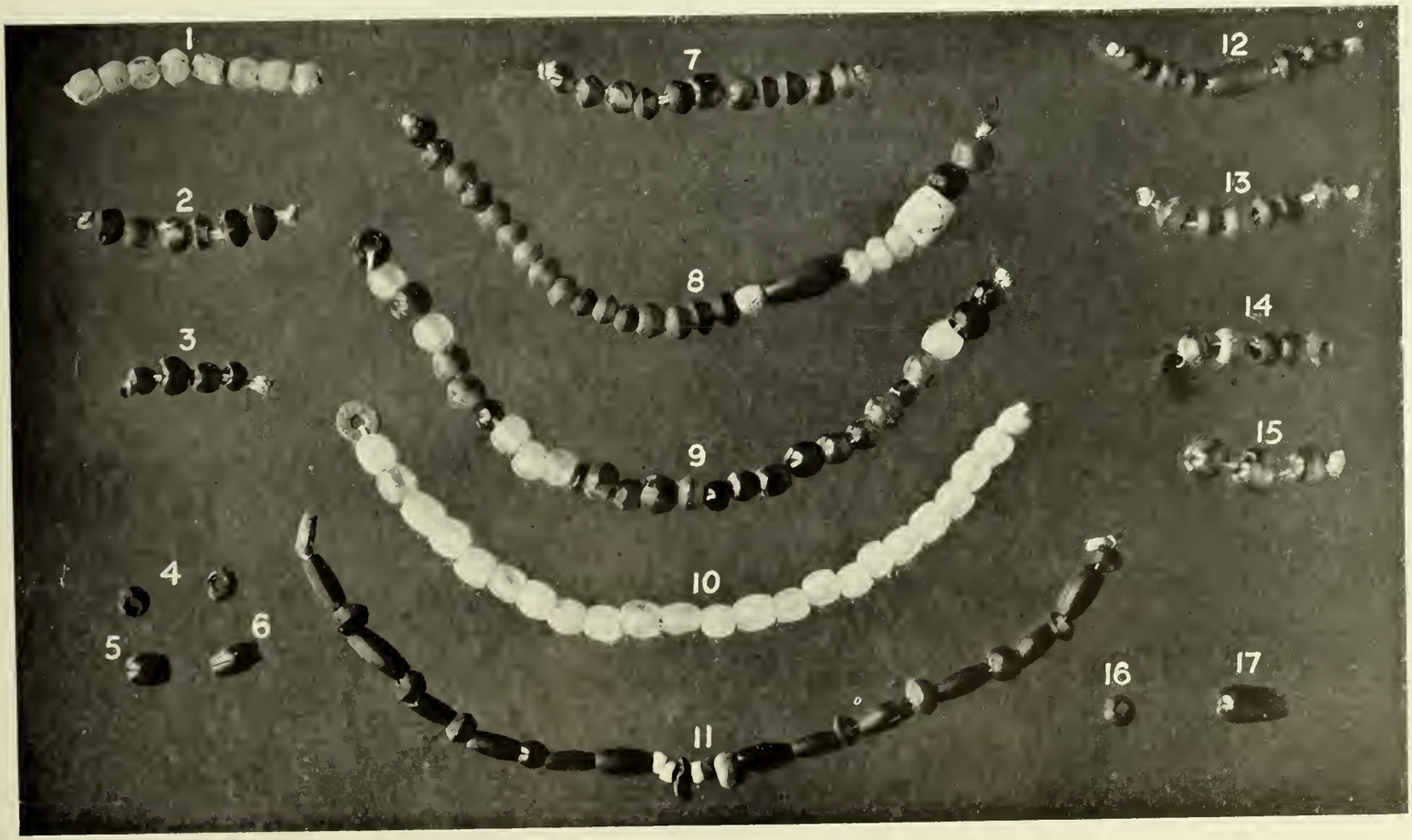
Chiefly carnelian, quartz, &c. 1:2

See Text, p. 123

BEADS



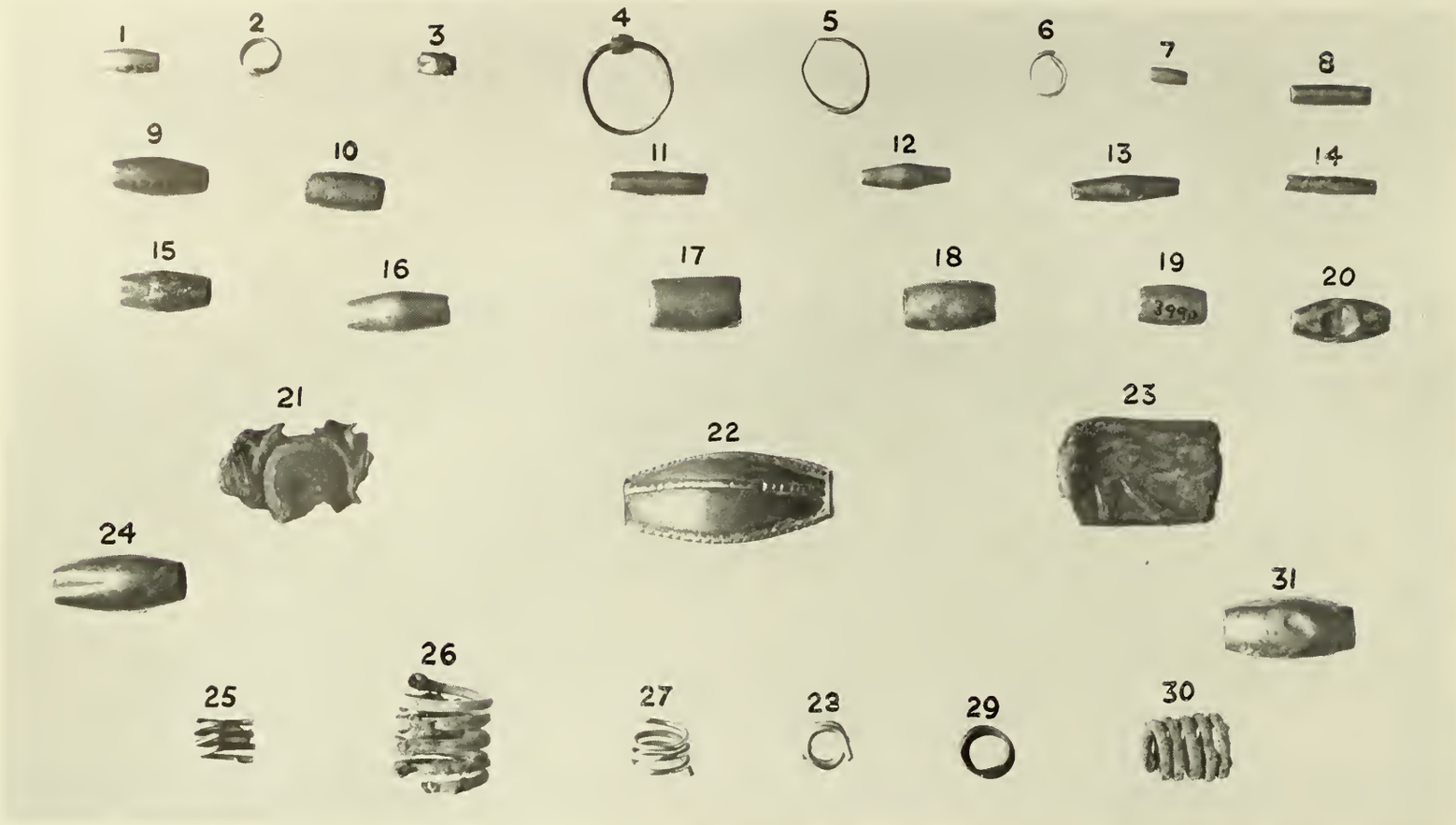
Mostly faience. 1:1



Jasper, carnelian, chalcedony, &c. 1:1

See Text, p. 124

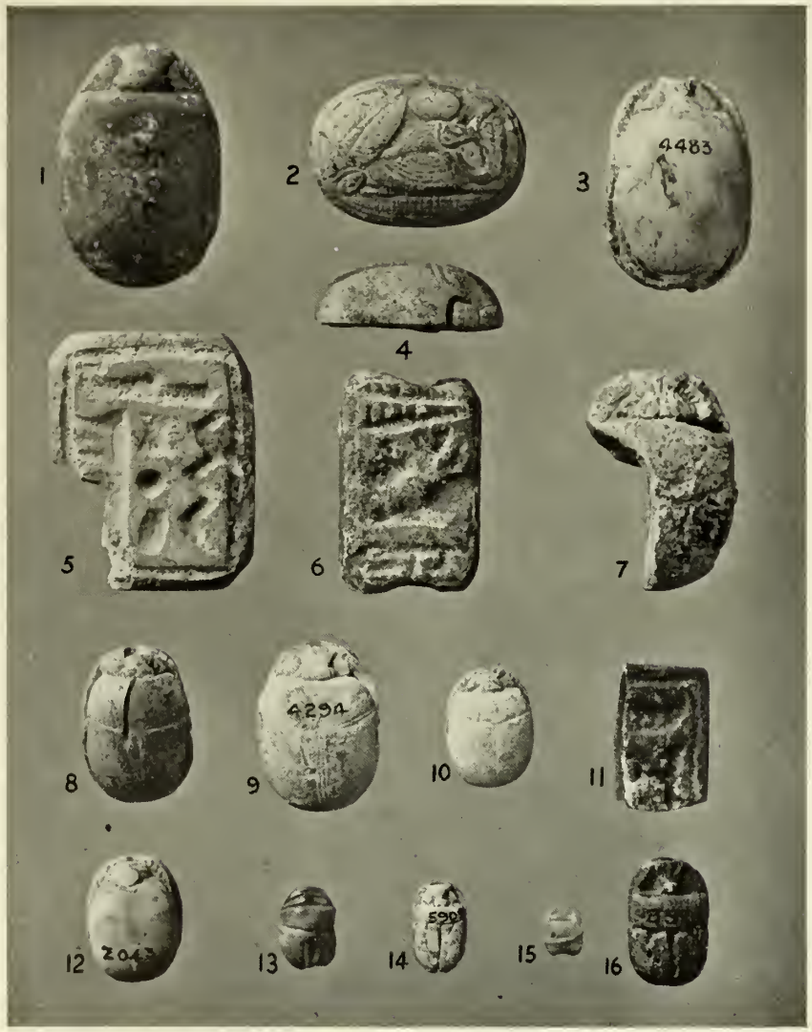
BEADS AND AMULETS



Gold and silver beads. 1:1

Amulets. 1:1

See Text, pp. 124, 125



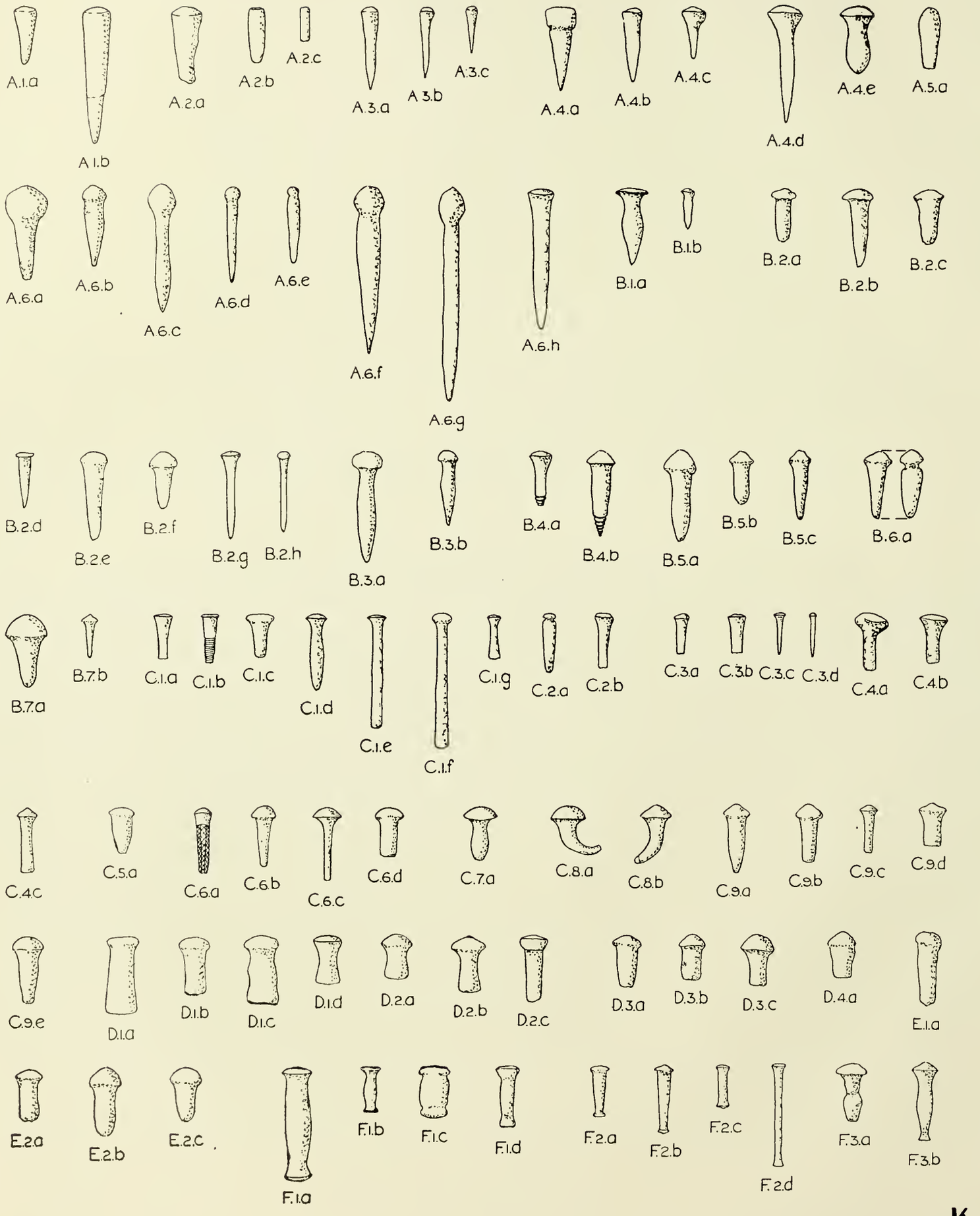
SCARABS AND PLAQUES. 1:1

See Text, pp. 117–18

PLATE LI

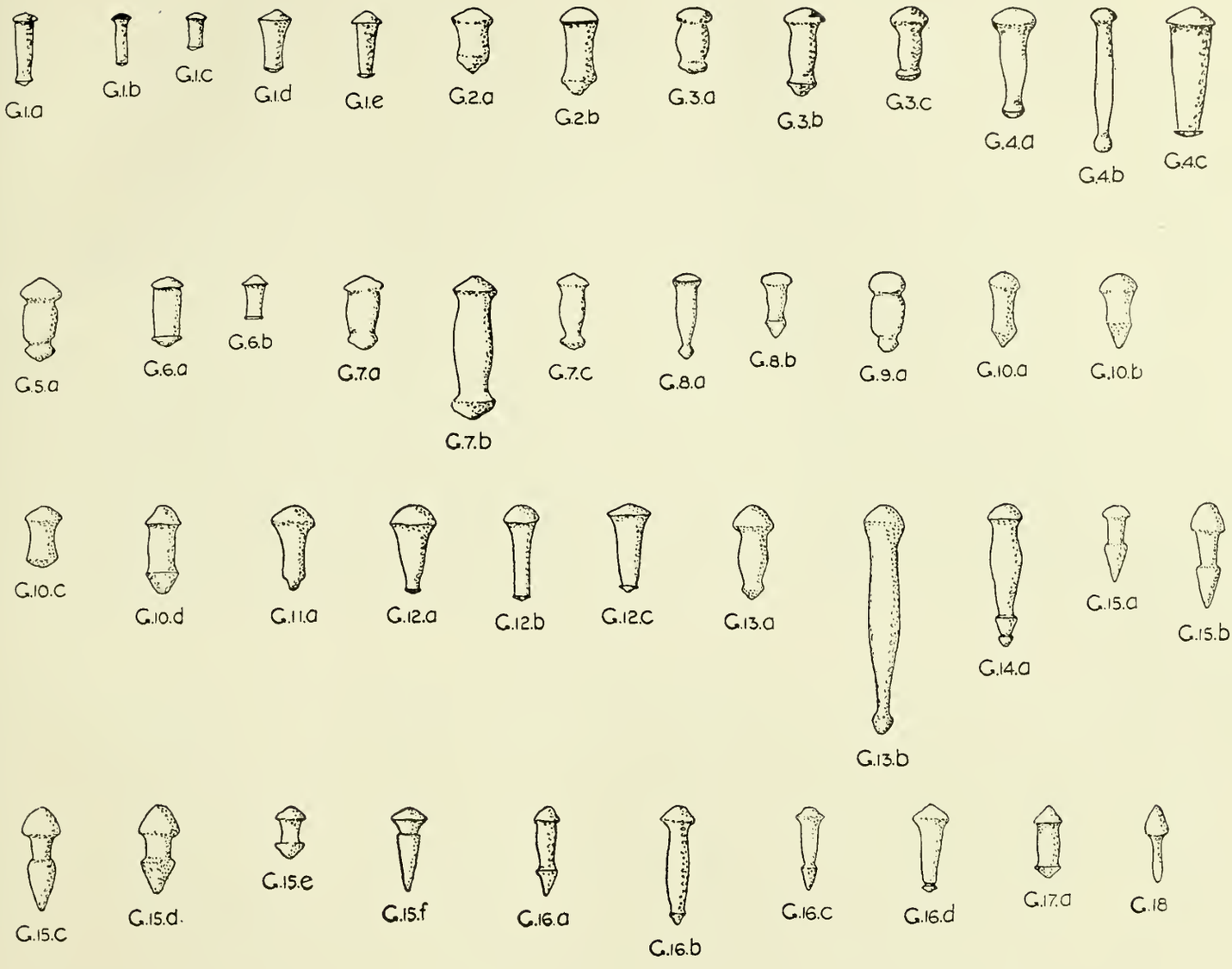
PINS & LIPSTUDS

SCALE 1:2



PINS & LIPSTUDS

SCALE 1:2



NOSE & EAR STUDS

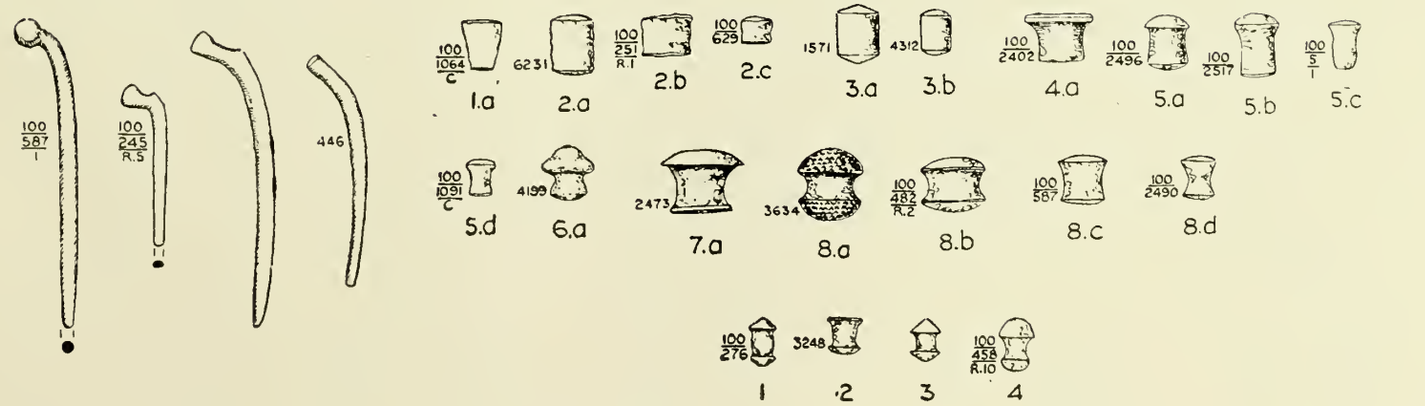
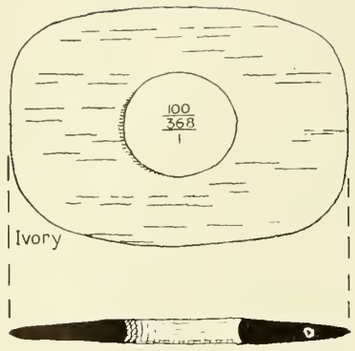


PLATE LIII

BRACELETS & ARMLETS

SCALE 1:4



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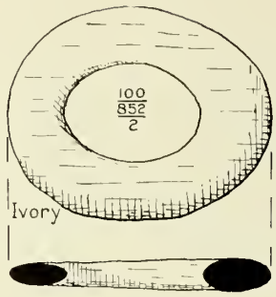

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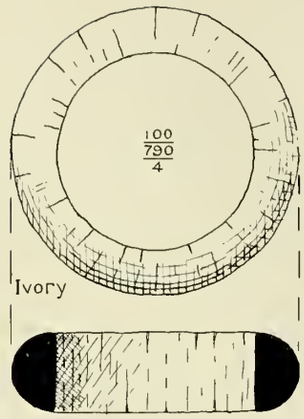
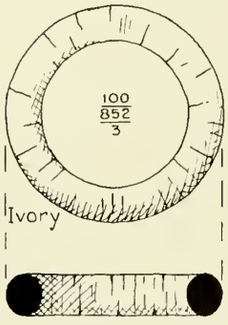


III



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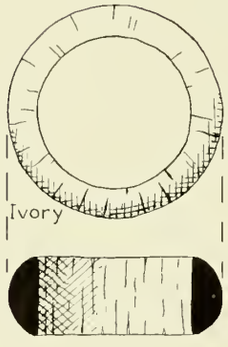

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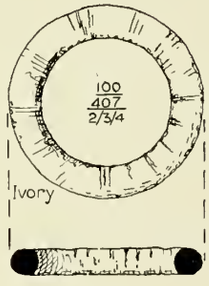
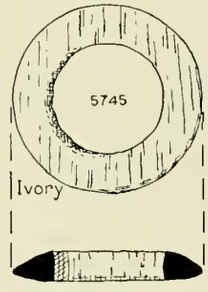
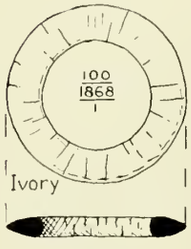


VI

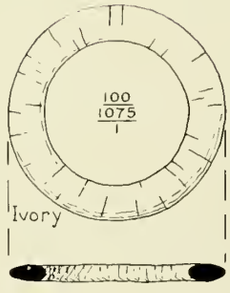


VII

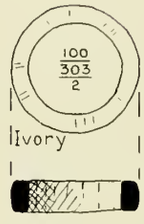


VIII

IX



X



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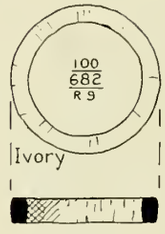

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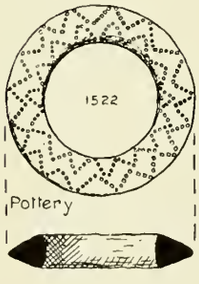

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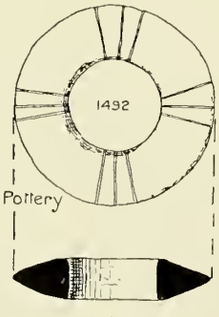

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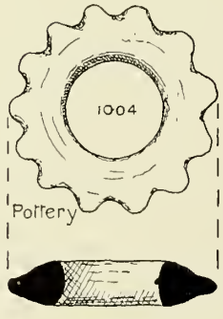

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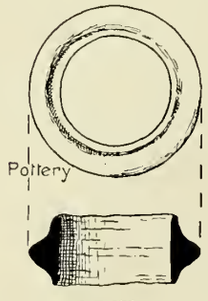
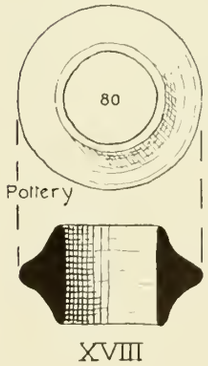
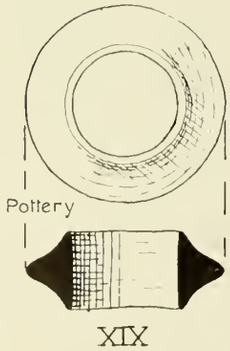
XVI



XVII



XVIII



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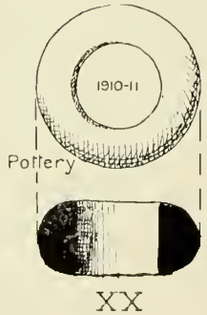

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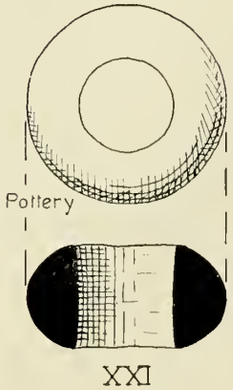
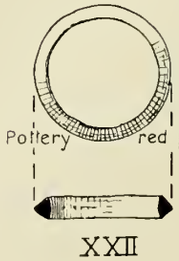


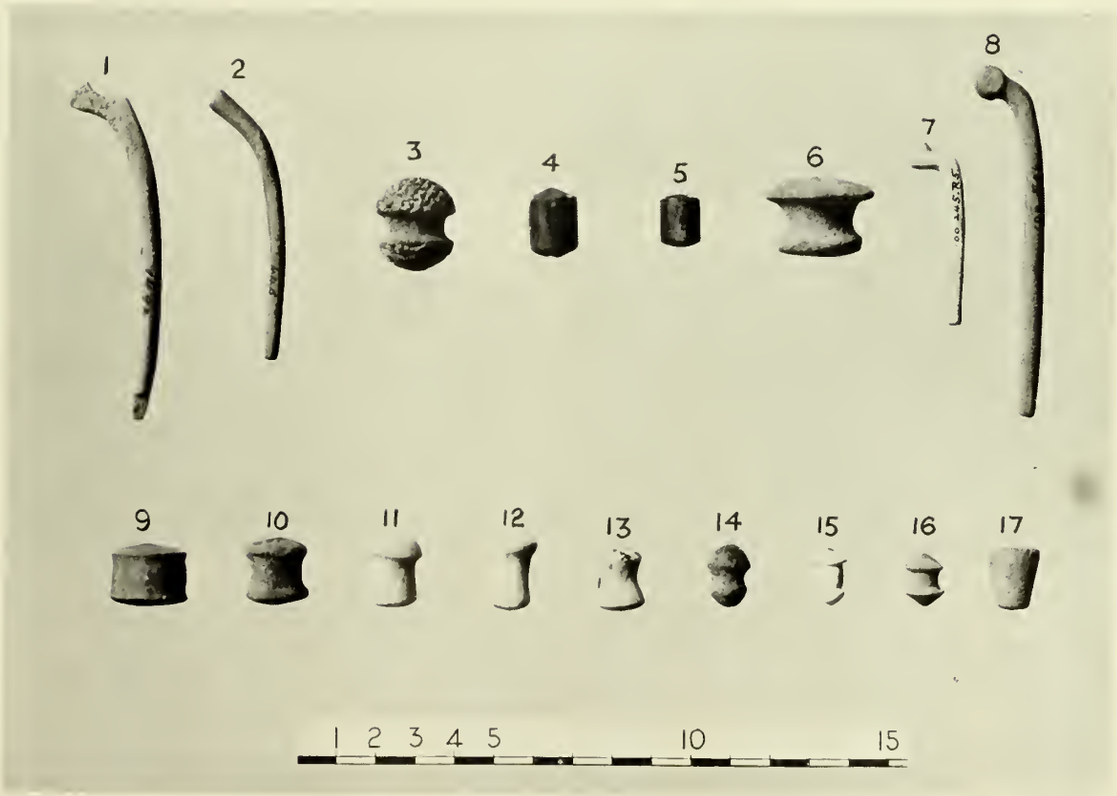
XXI



XXII

ORNAMENTS

A. Lipstuds



B. Nose and ear studs

See Text, pp. 149–50

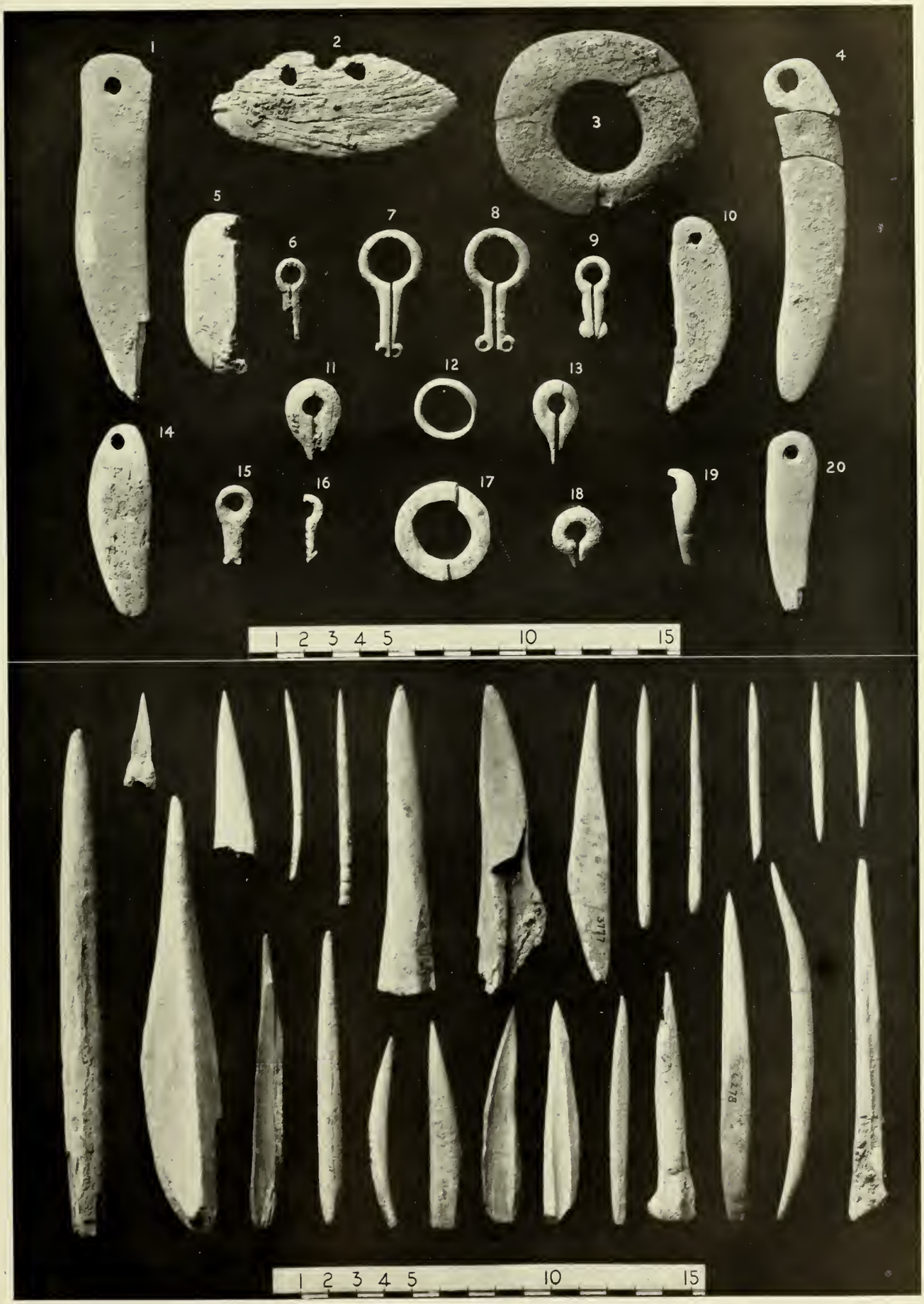
ORNAMENTS

A. Ivory armlet from grave 100/368

B. Bone armlets. 1. From grave 100/752. 2. From grave 100/475

See Text, p. 150

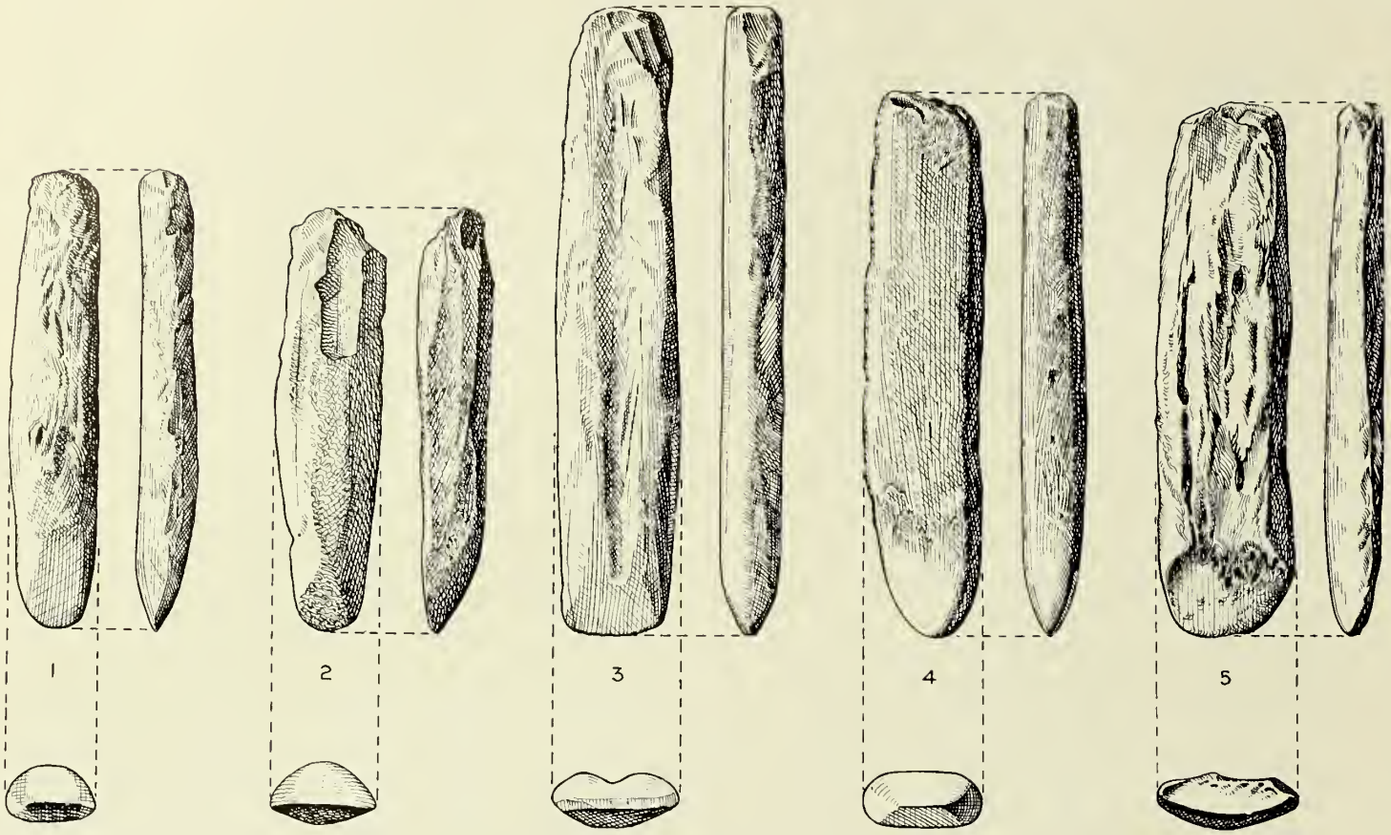
ORNAMENTS AND IMPLEMENTS



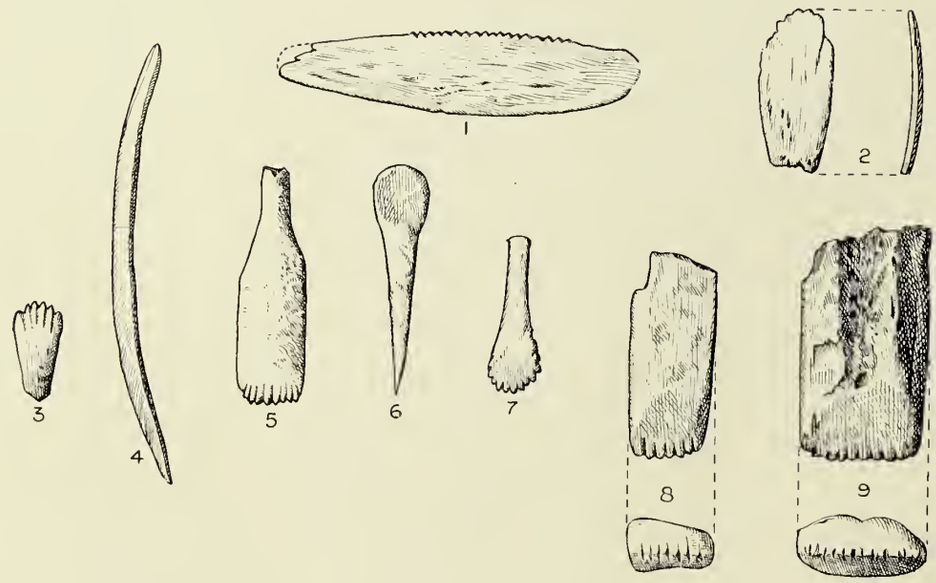
Above, ivory ornaments. *Below*, bone and ivory points

See Text, pp. 150–1

IMPLEMENTS



A. Bone and ivory tools



B. Bone implements for decorating pottery

See Text, p. 151

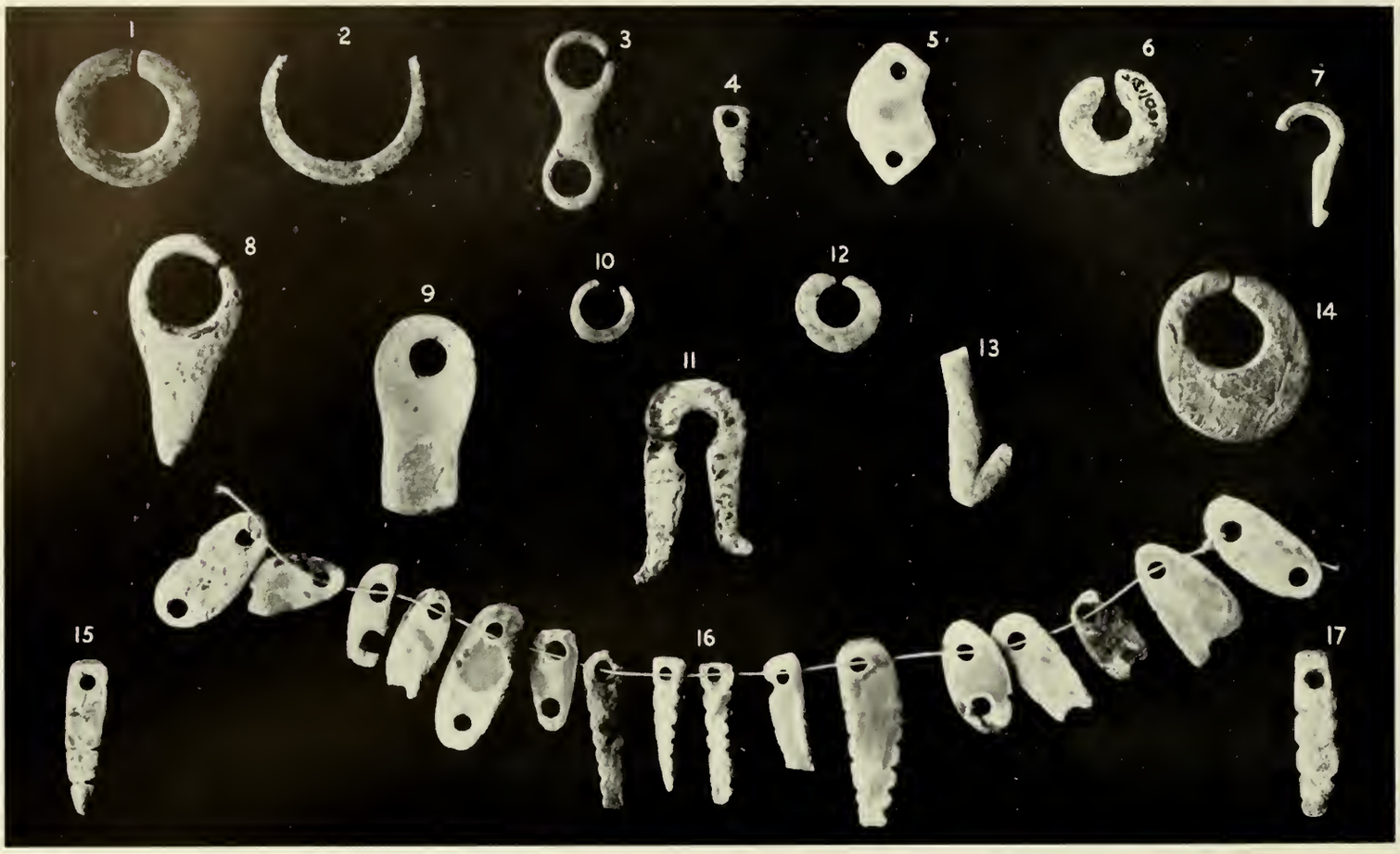
ORNAMENTS

Shell pendants. *Above* 1:2; *below* 1:3

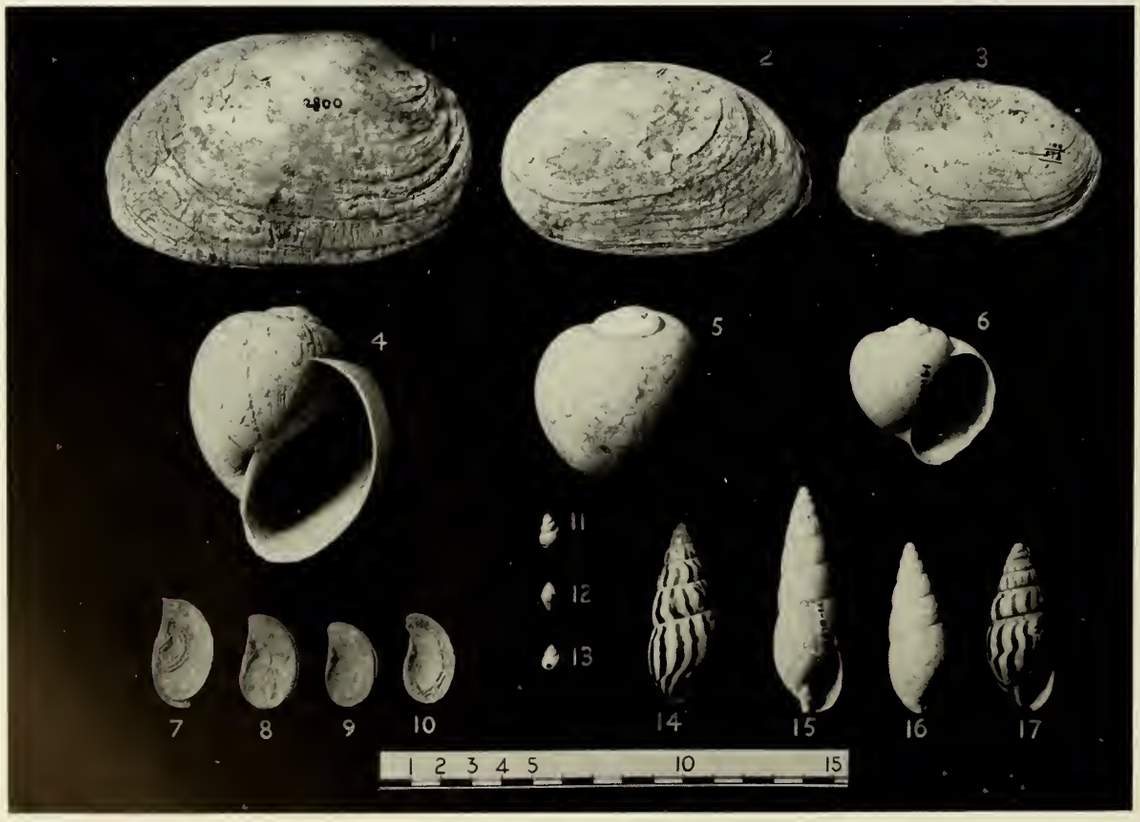
See Text, pp. 151–2

PLATE LIX

ORNAMENTS AND SHELLS

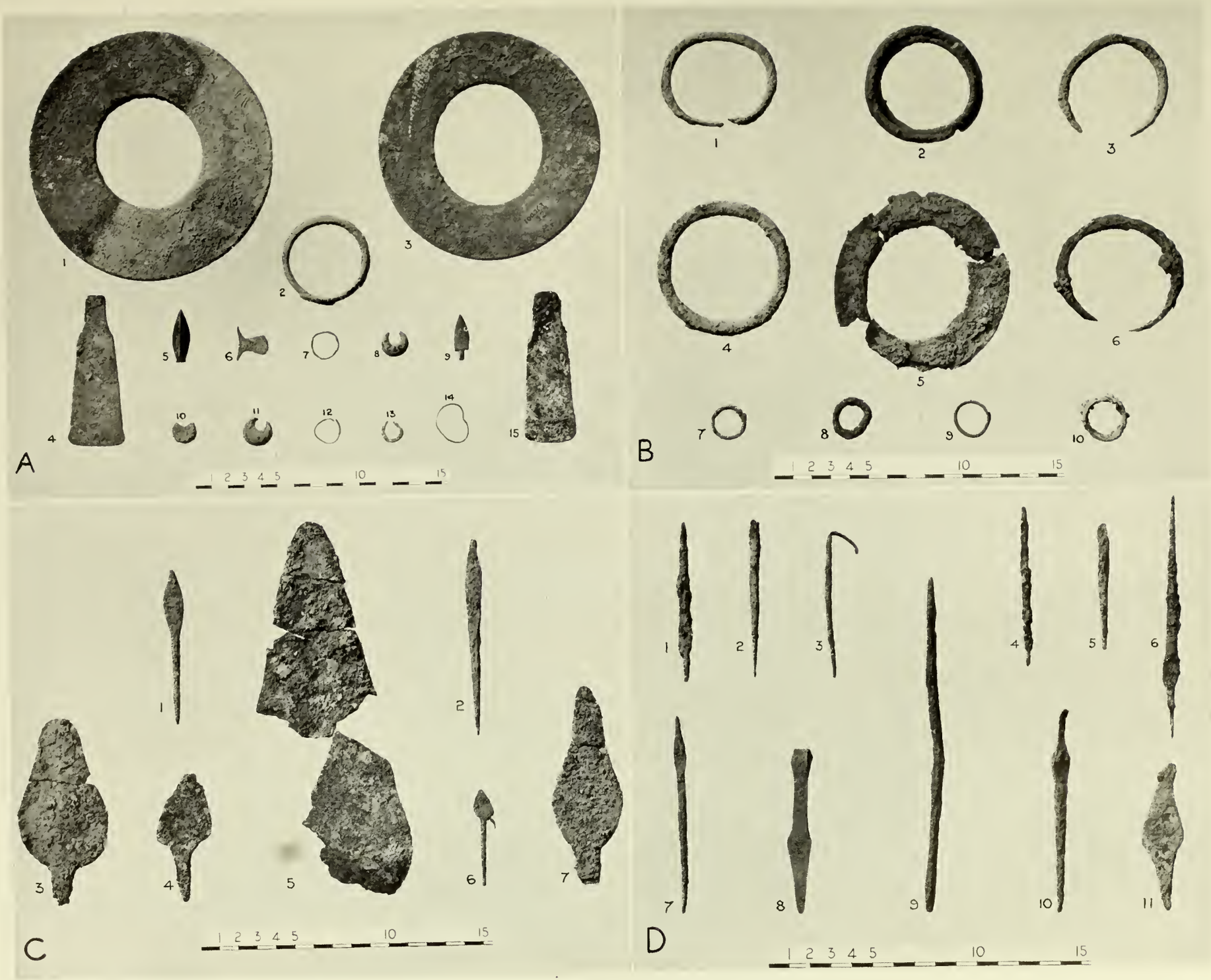


Ornaments of nacreous shell. 1:1



Shells

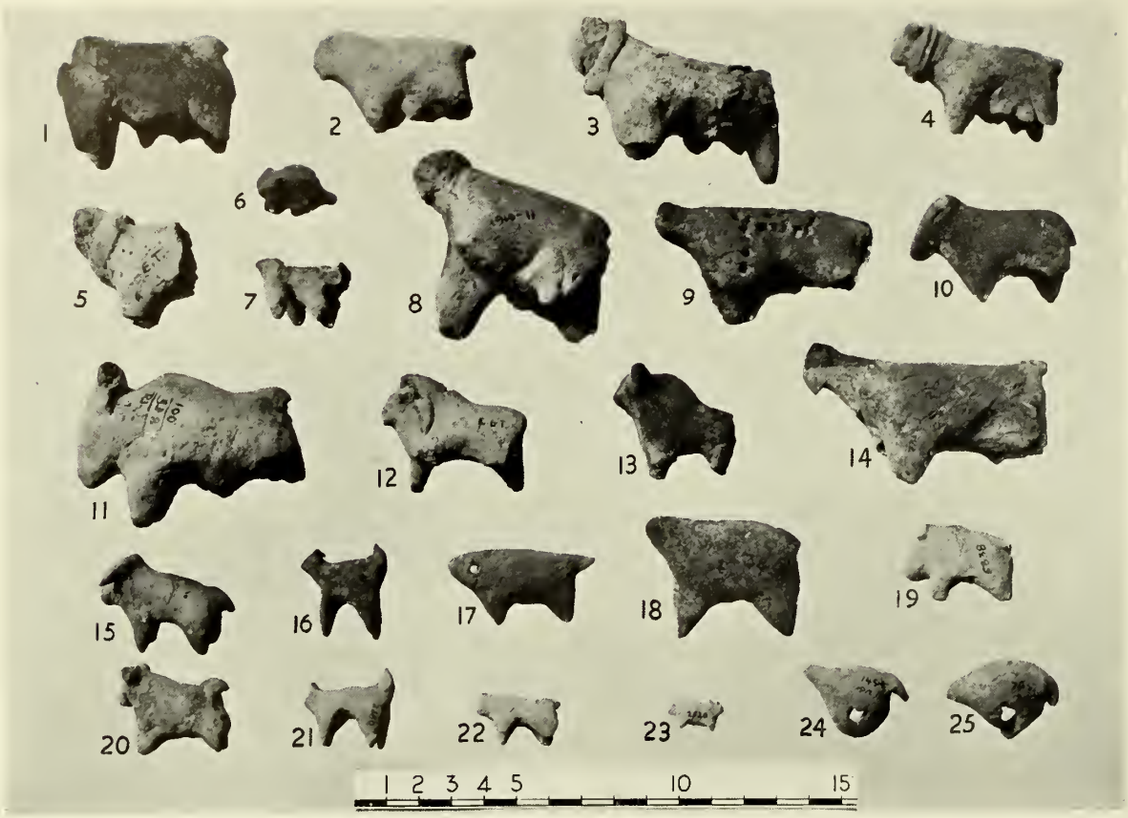
See Text, pp. 152, 153



A. Copper or bronze. B, C, & D. Iron

See Text, pp. 153, 154

FIGURINES



A

B

Animal figurines of clay or mud

See Text, pp. 147, 154

Human figurines of clay or mud

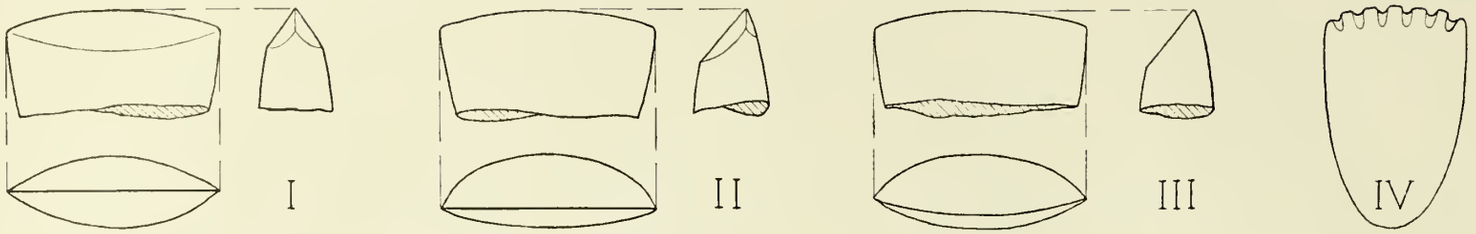
Figurine with head-dress, approx. 1:1

See Text, pp. 147, 154

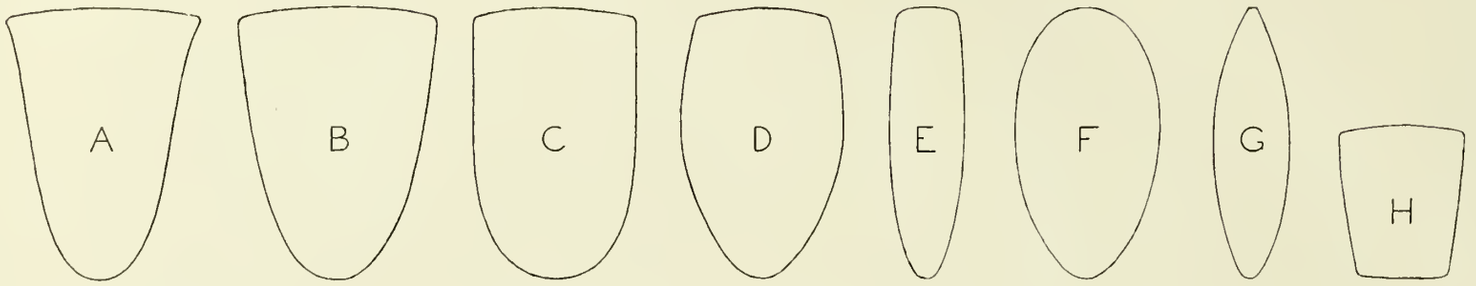
TYPES OF STONE IMPLEMENTS

CELTS

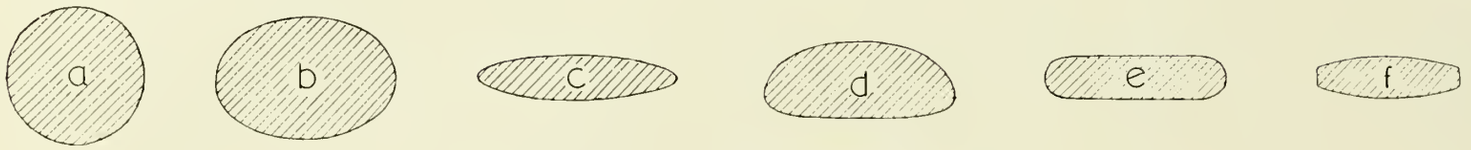
TYPES OF CUTTING EDGE



TYPES OF PROFILE

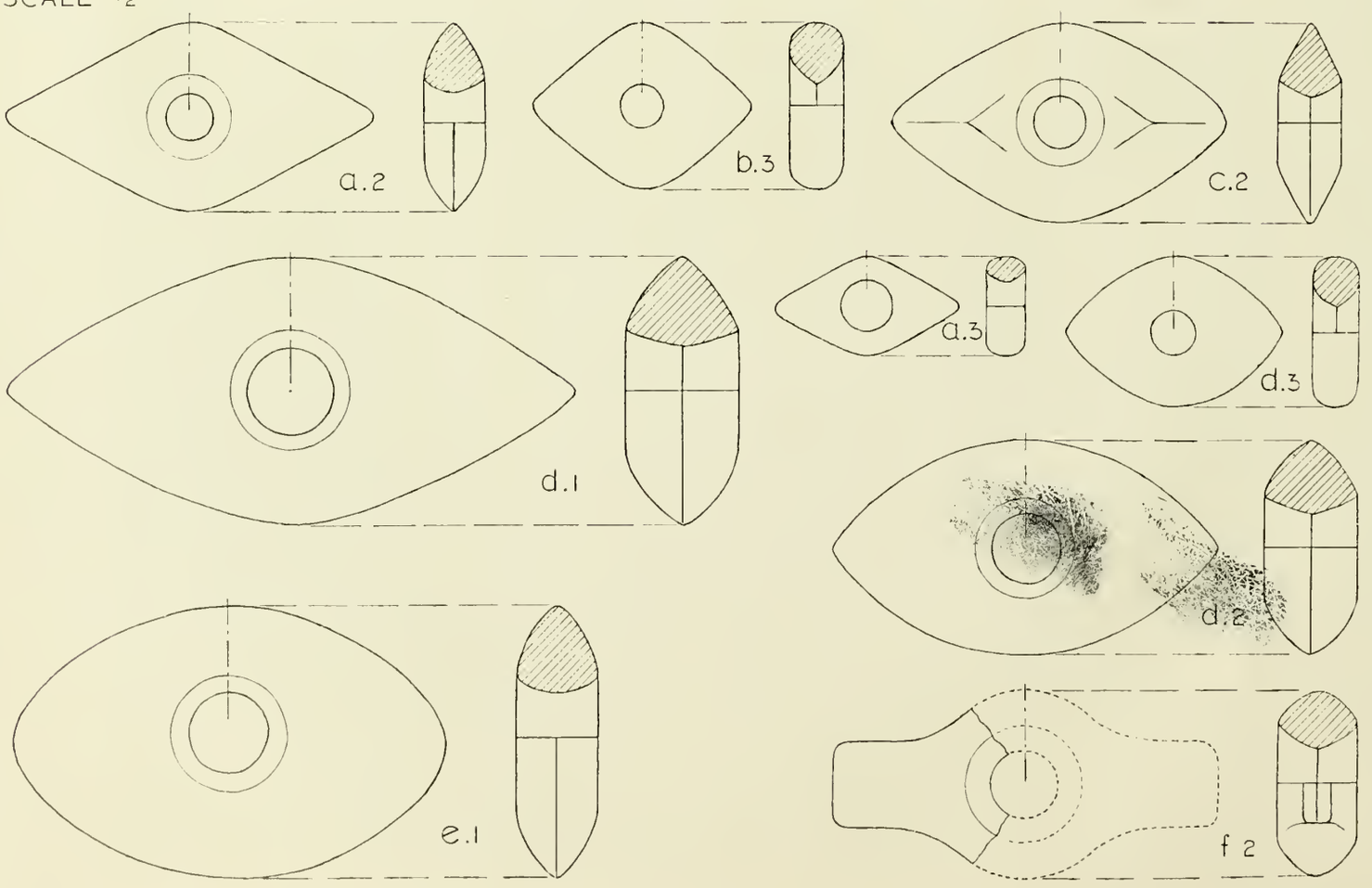


TYPES OF SECTION



V. PICKS

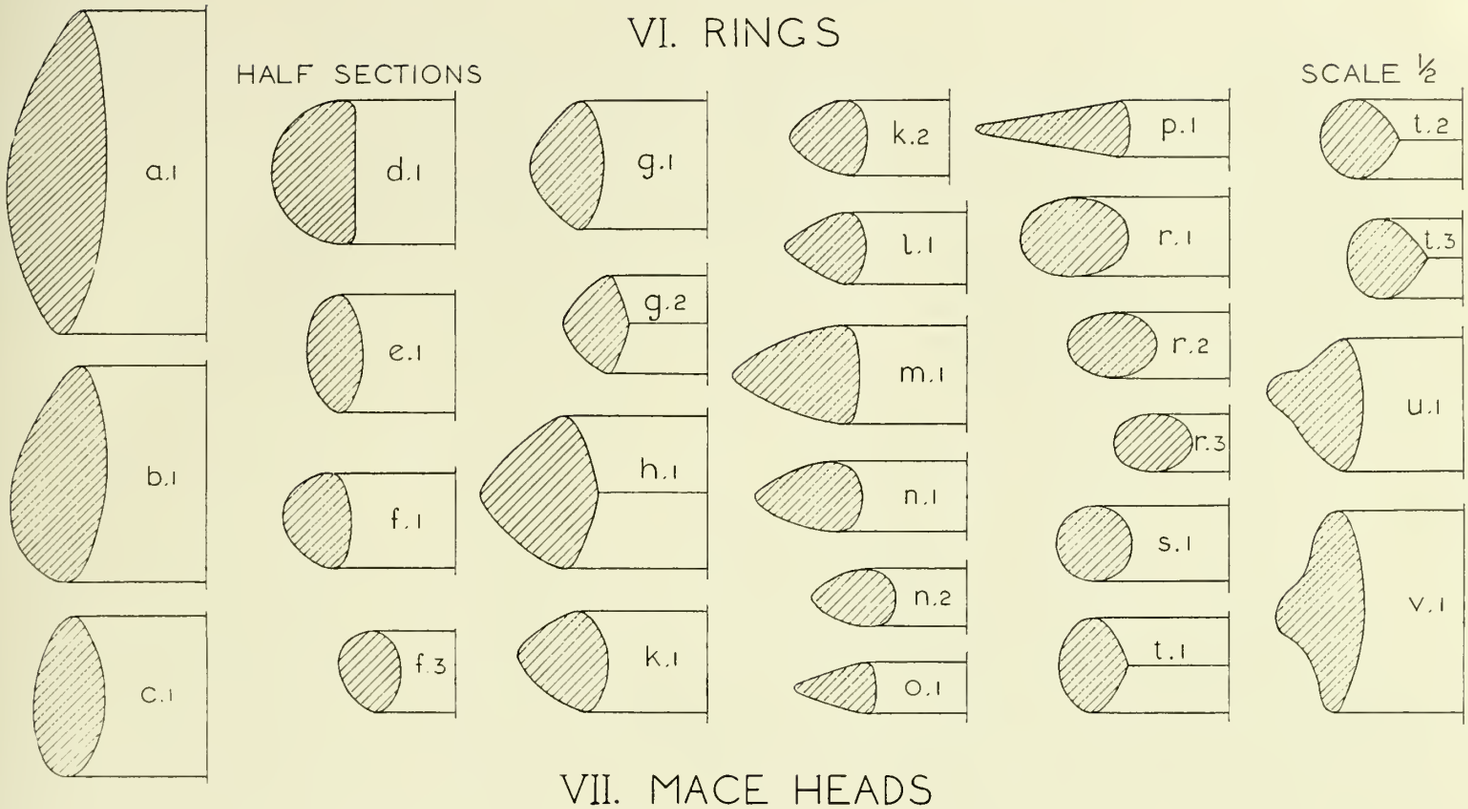
SCALE ½



VI. RINGS

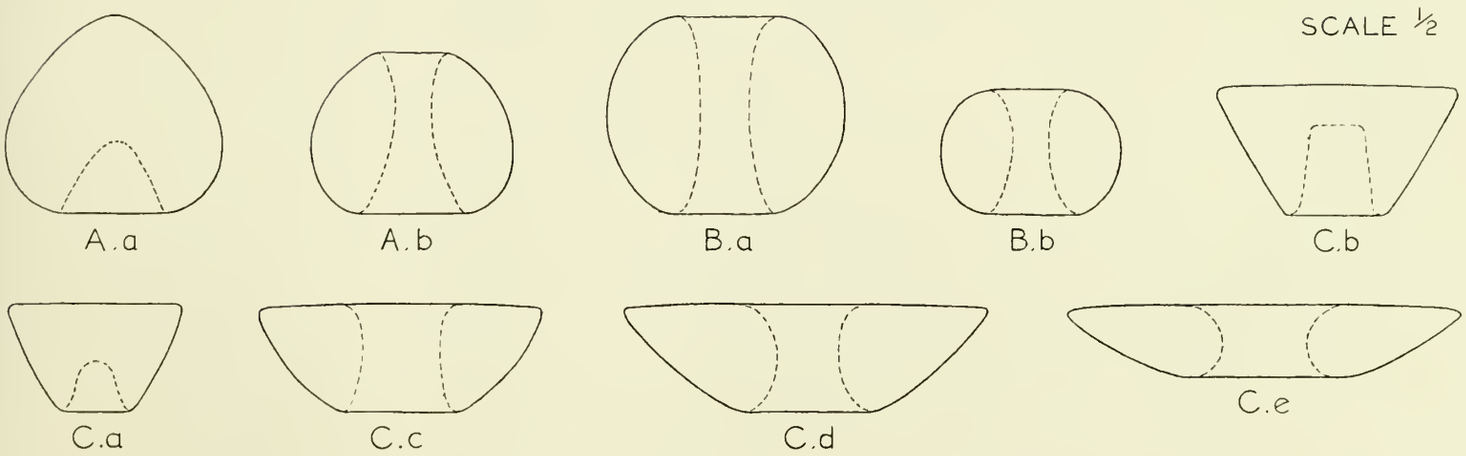
HALF SECTIONS

SCALE ½



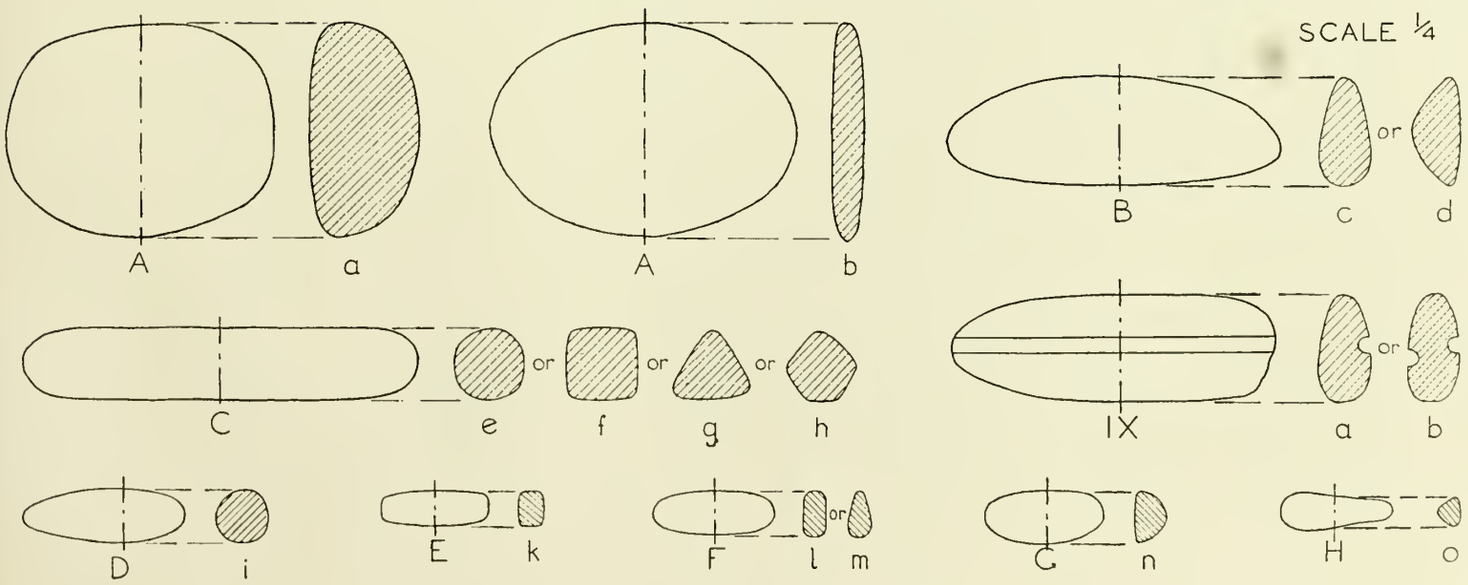
VII. MACE HEADS

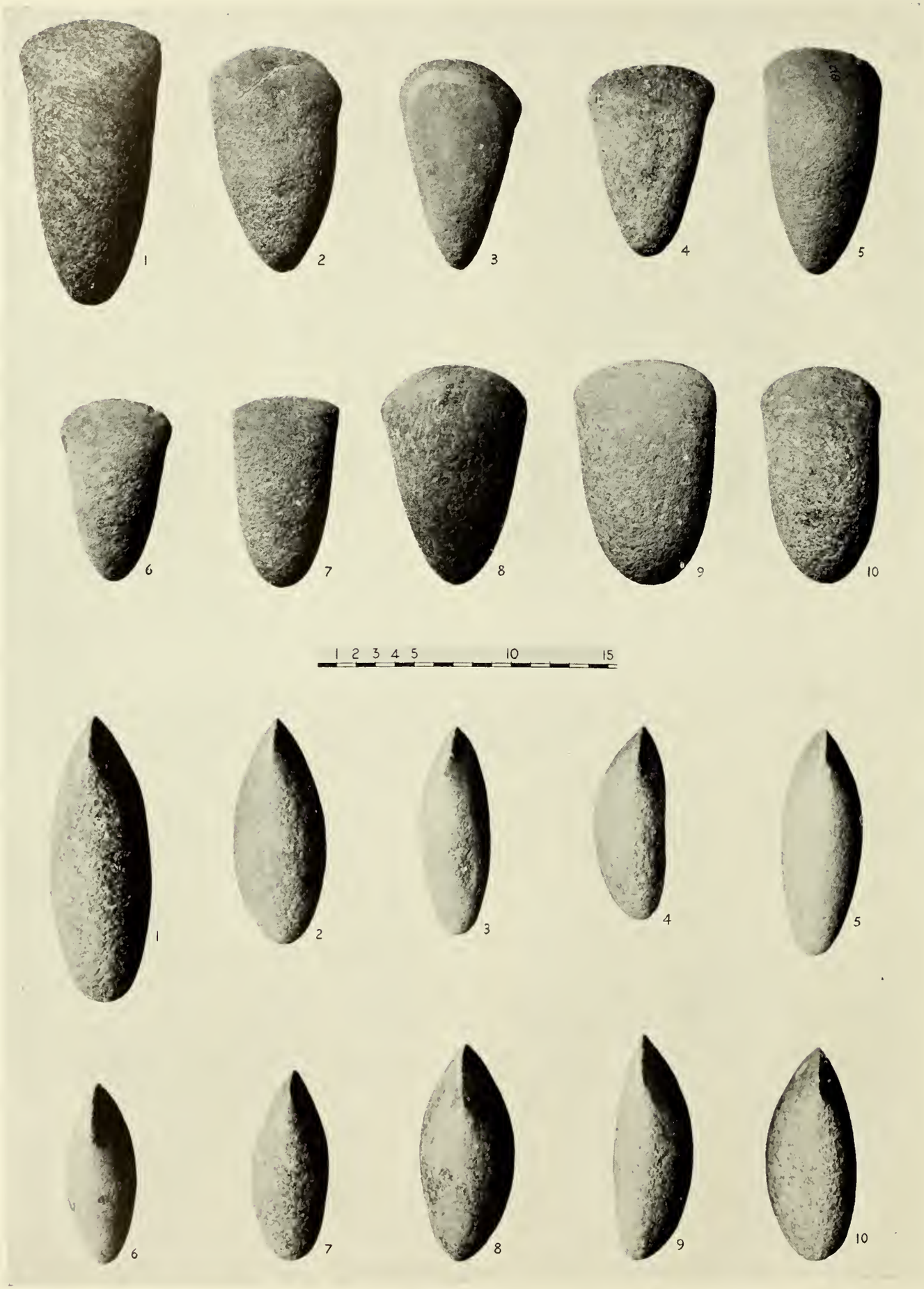
SCALE ½



VIII. GRINDERS & RUBBERS

SCALE ¼

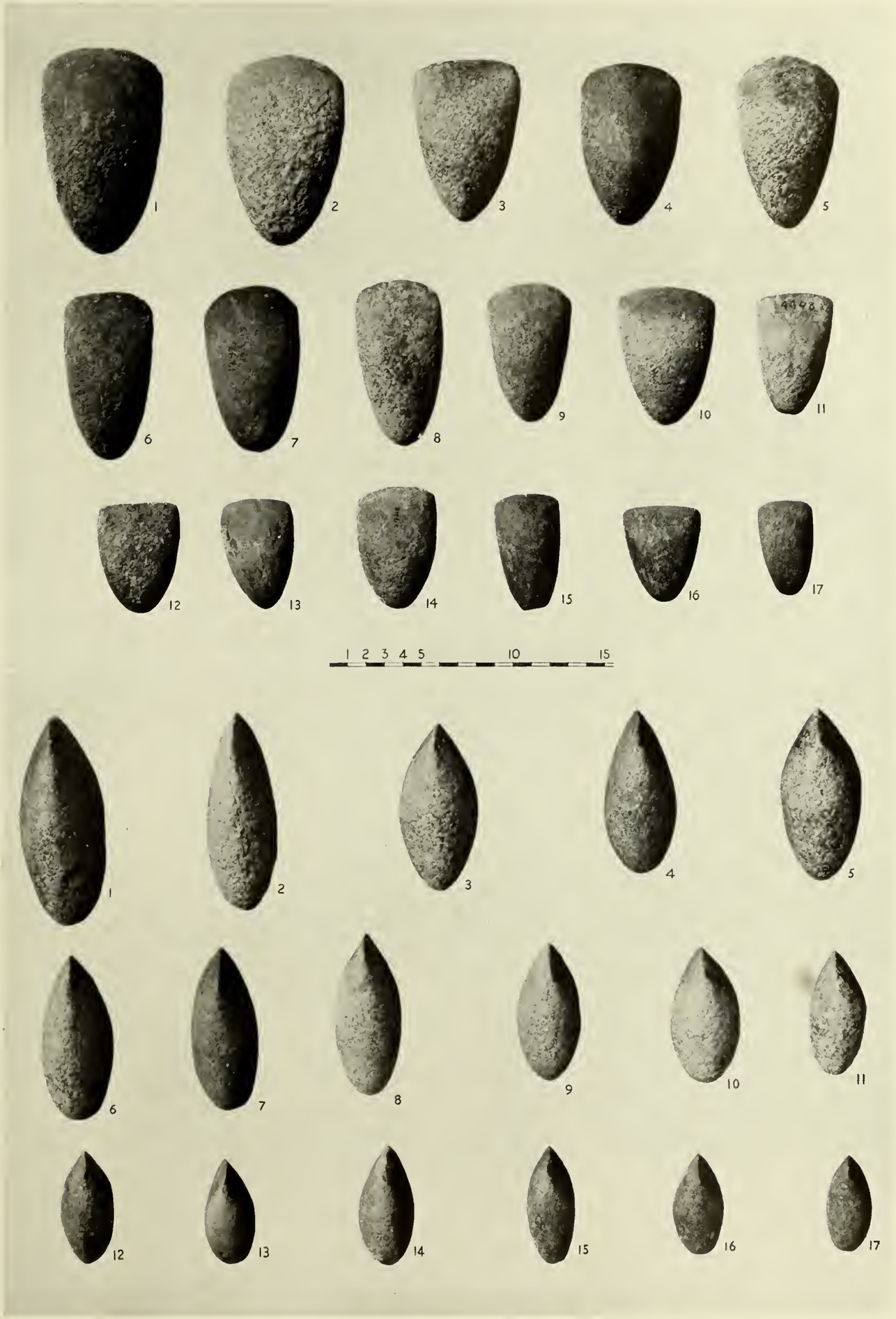




CELTS, TYPE A

Above, front view; *below*, side view

See Text, p. 174



CELTS, TYPE B, WITH THICK SECTIONS

Above, front view; *below*, side view

See Text, p. 174

STONE IMPLEMENTS

CELTS, TYPE B, WITH THIN SECTIONS

Above, front view; *below*, side view

See Text, p. 174

CELTS

Above, type C; *below*, types D and F

See Text, p. 175

A

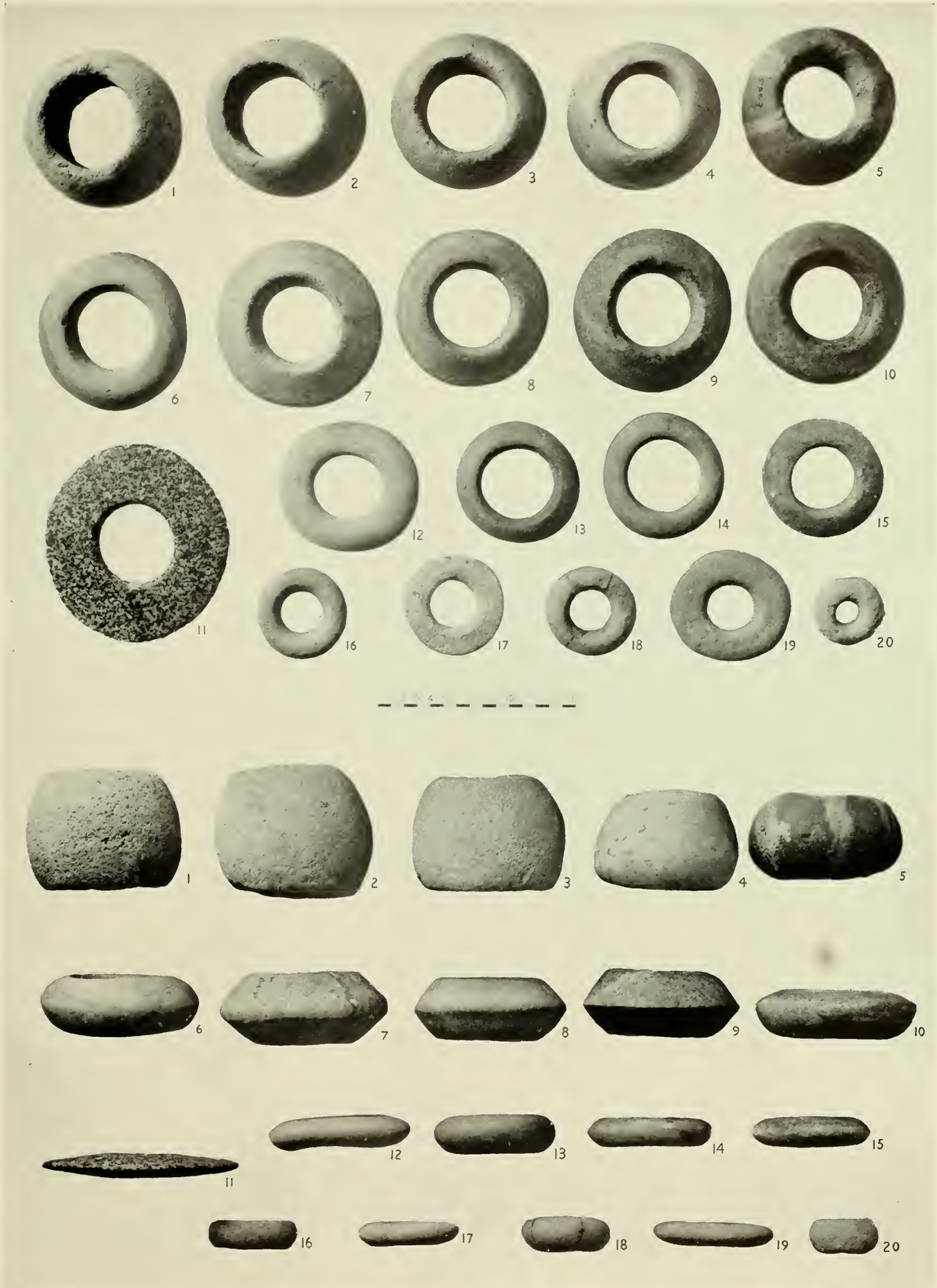
Miscellaneous celts

B

Large celts and flakers

See Text, pp. 173, 176

STONE IMPLEMENTS

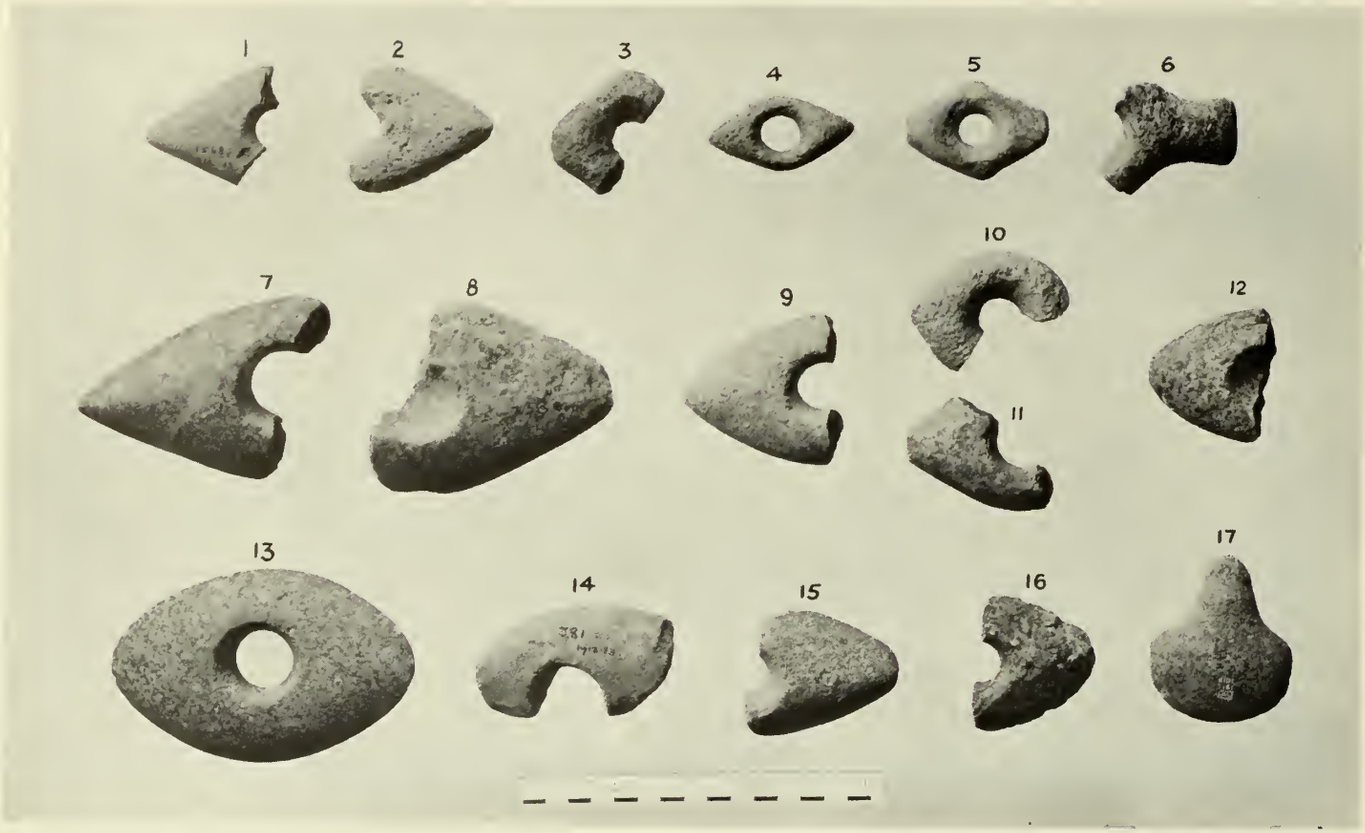


STONE ARMLETS AND RINGS

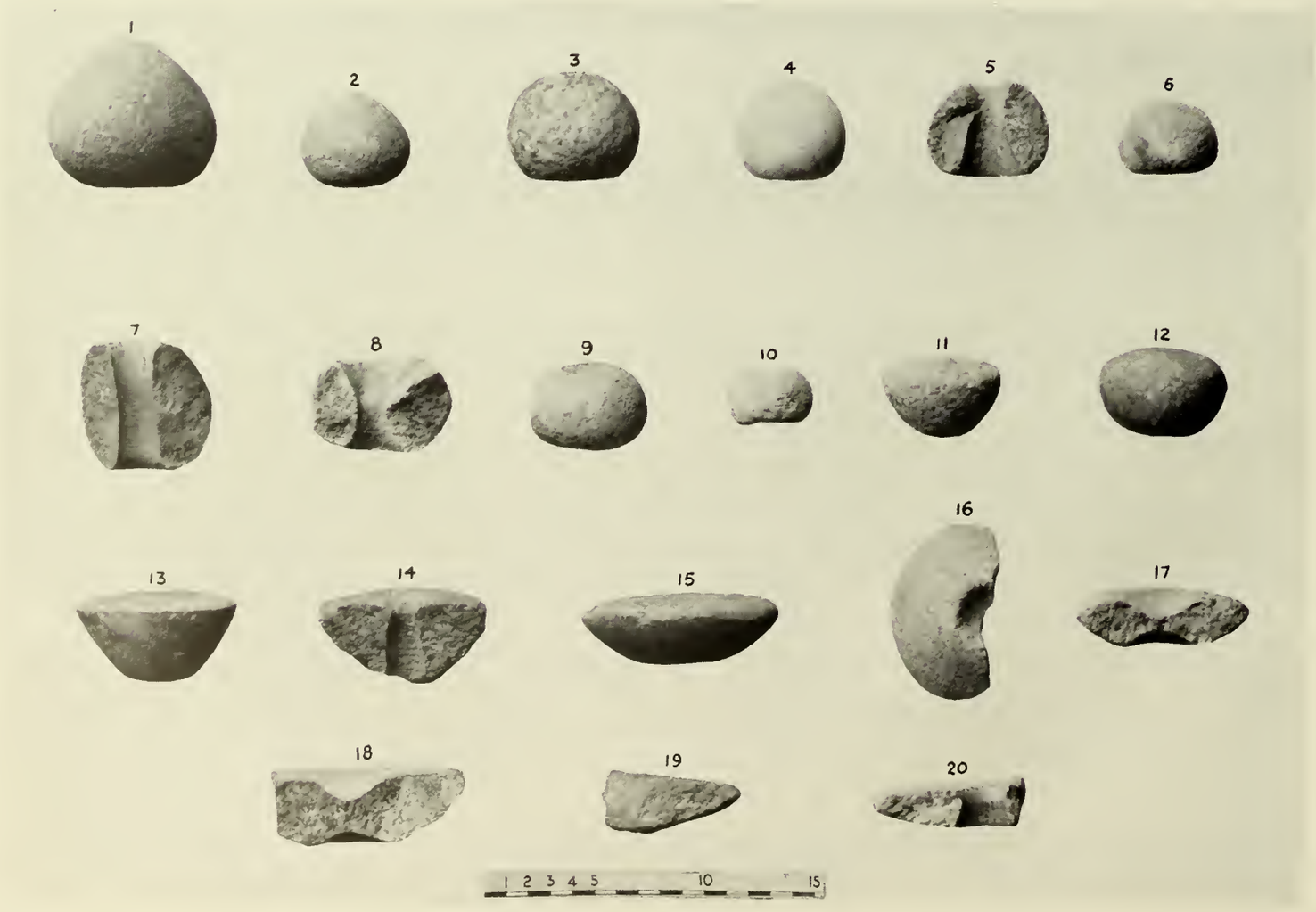
Above, in plan; *below*, in elevation

See Text, pp. 176, 177

STONE IMPLEMENTS



Stone picks



Stone mace heads

See Text, p. 177

STONE IMPLEMENTS

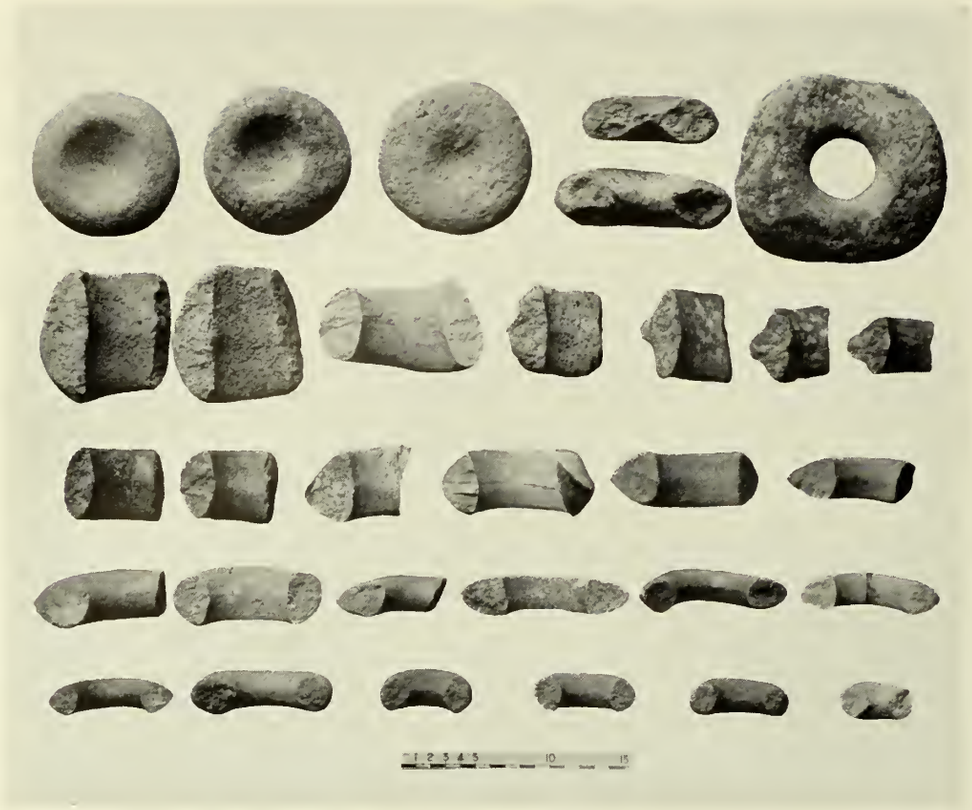
A

B

Grinders and rubbers

See Text, p. 178

STONE IMPLEMENTS



A. Partly finished stone rings and broken rings showing sections

B. Hammer stones, polishing pebbles, &c.

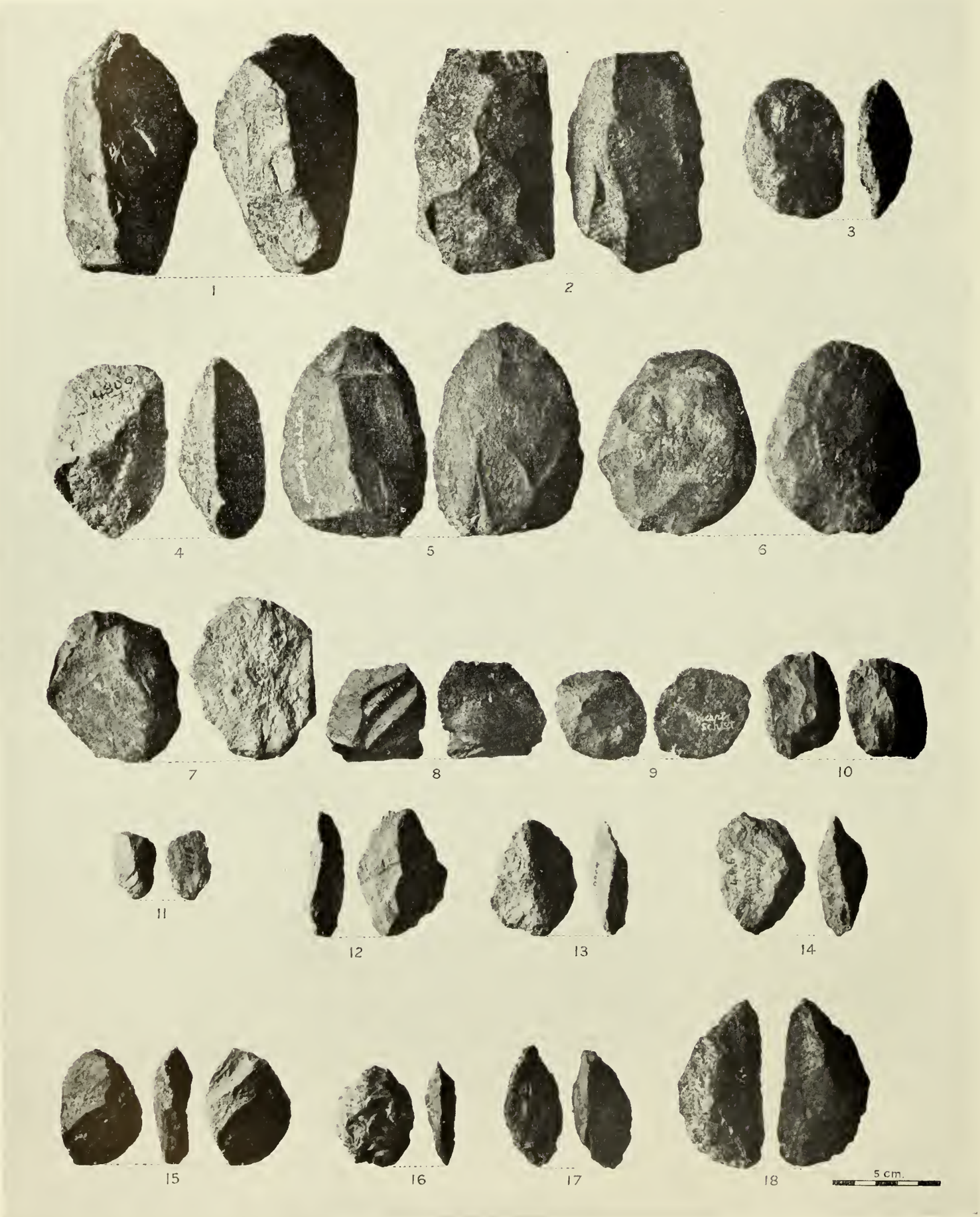
See Text, pp. 163, 172, 173, 178

Querns

Grooved stones

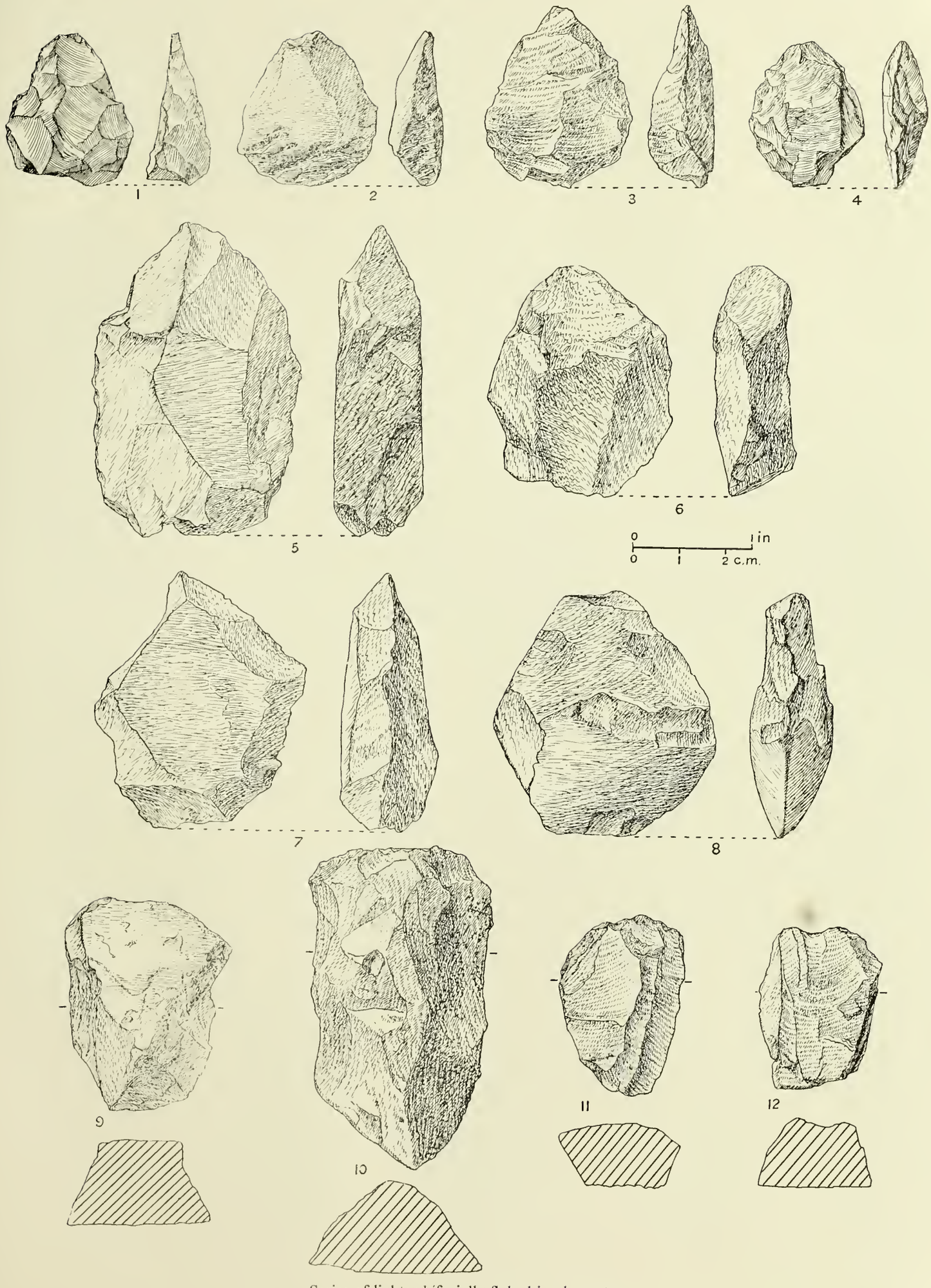
See Text, pp. 107, 172, 178

FLAKED IMPLEMENTS



Heavy flaked tools, bifacial implements, and coarse flake-implements

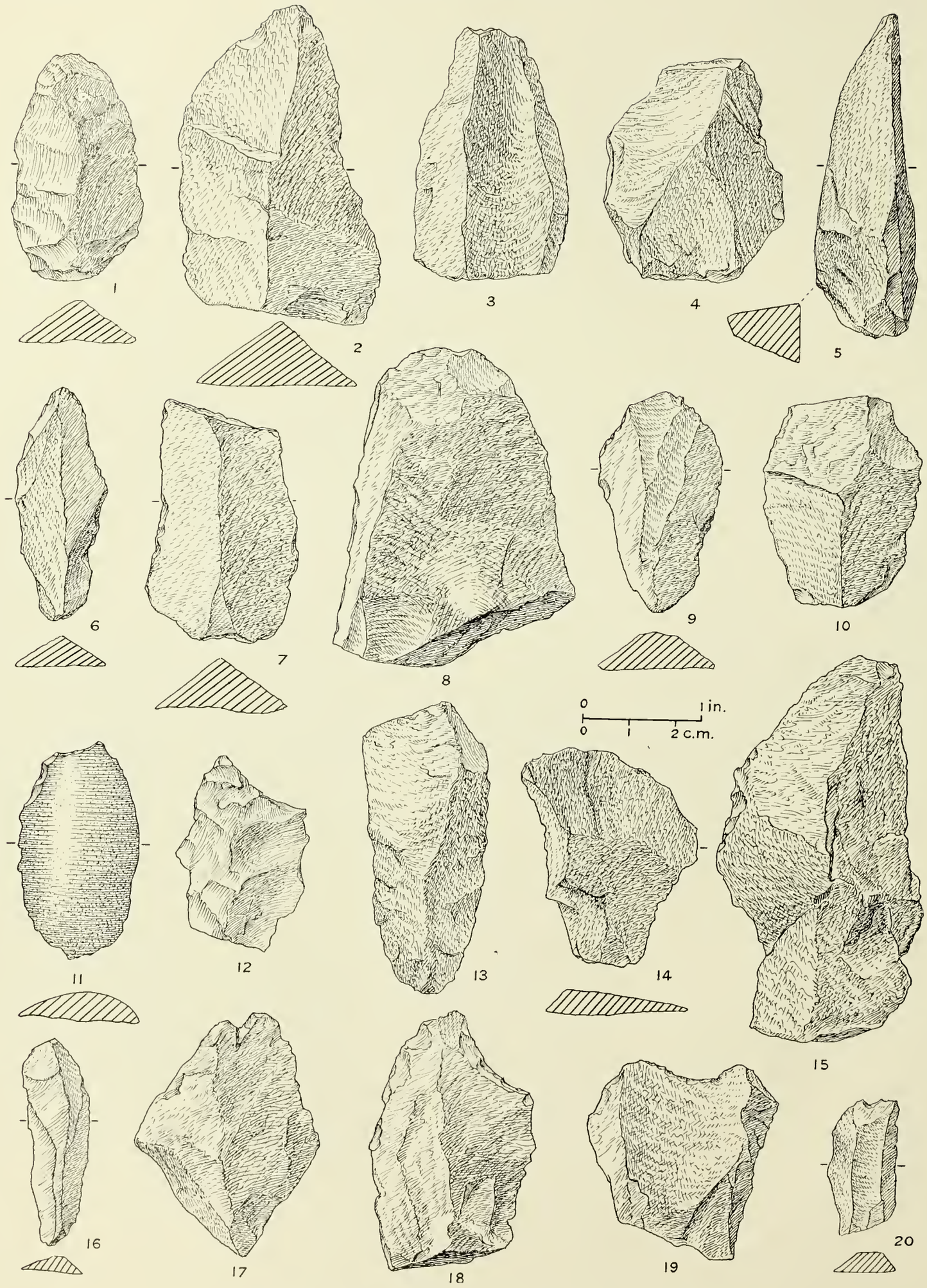
See Text, p. 191



Series of lighter bifacially flaked implements

See Text, p. 191

FLAKED IMPLEMENTS



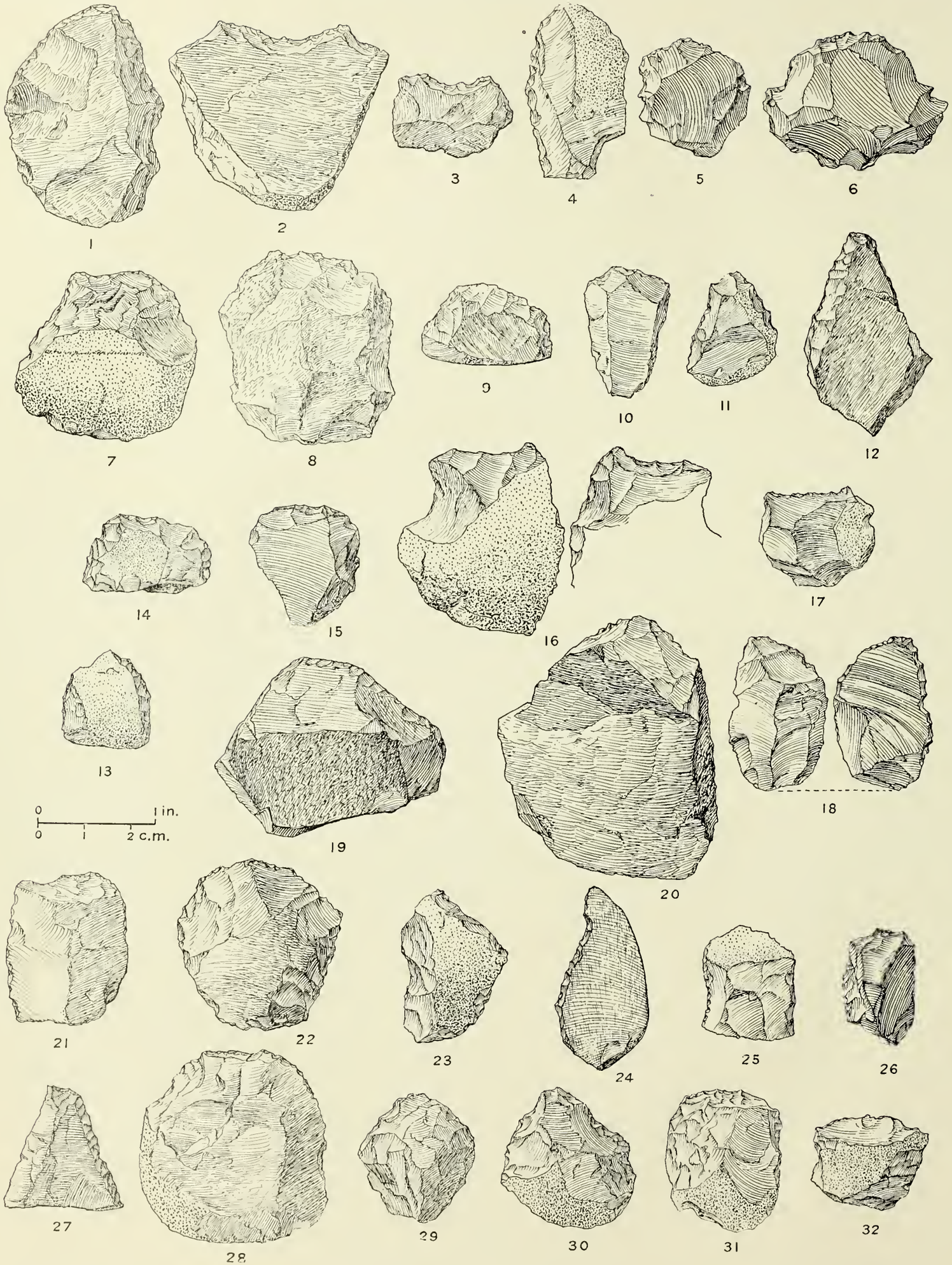
Series of quartz flakes and blades, plain utilized and slightly trimmed

See Text, p. 192

Series of simple flake-implements

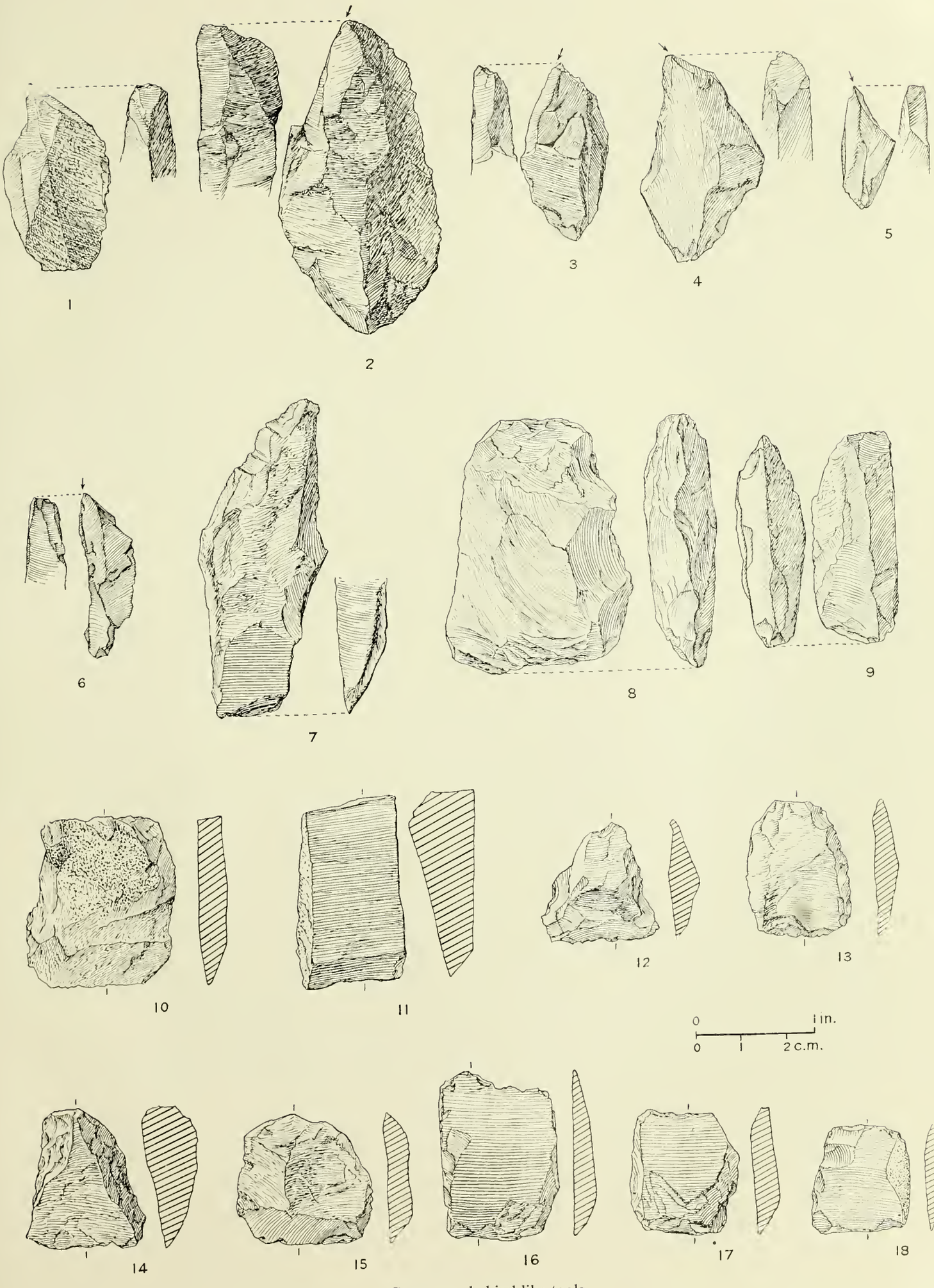
See Text, p. 192

FLAKED IMPLEMENTS



Various forms of scrapers, mainly quartz

See Text, p. 193



Gravers and chisel-like tools

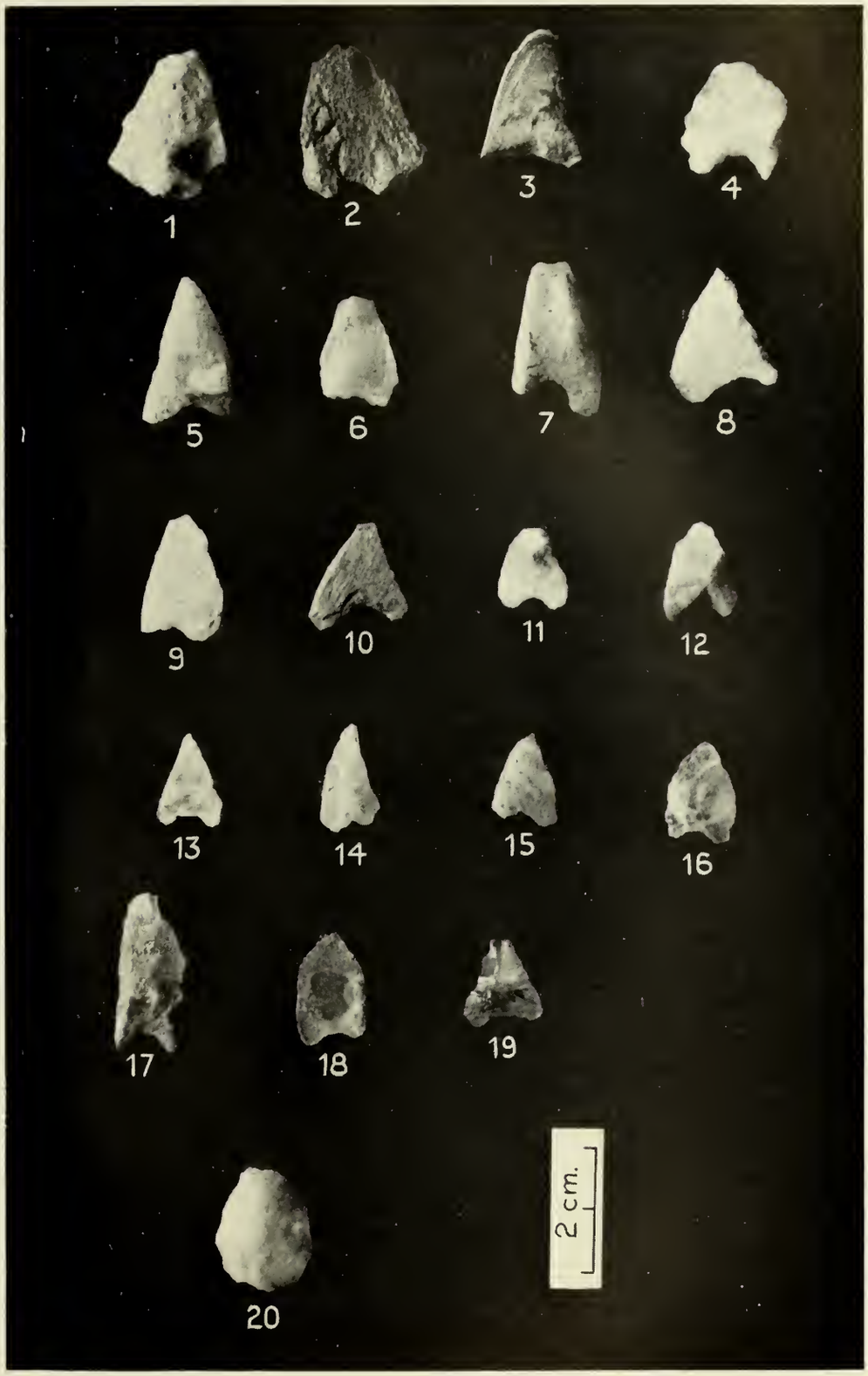
See Text, p. 193

FLAKED IMPLEMENTS

Series of arrow-heads

See Text, p. 194

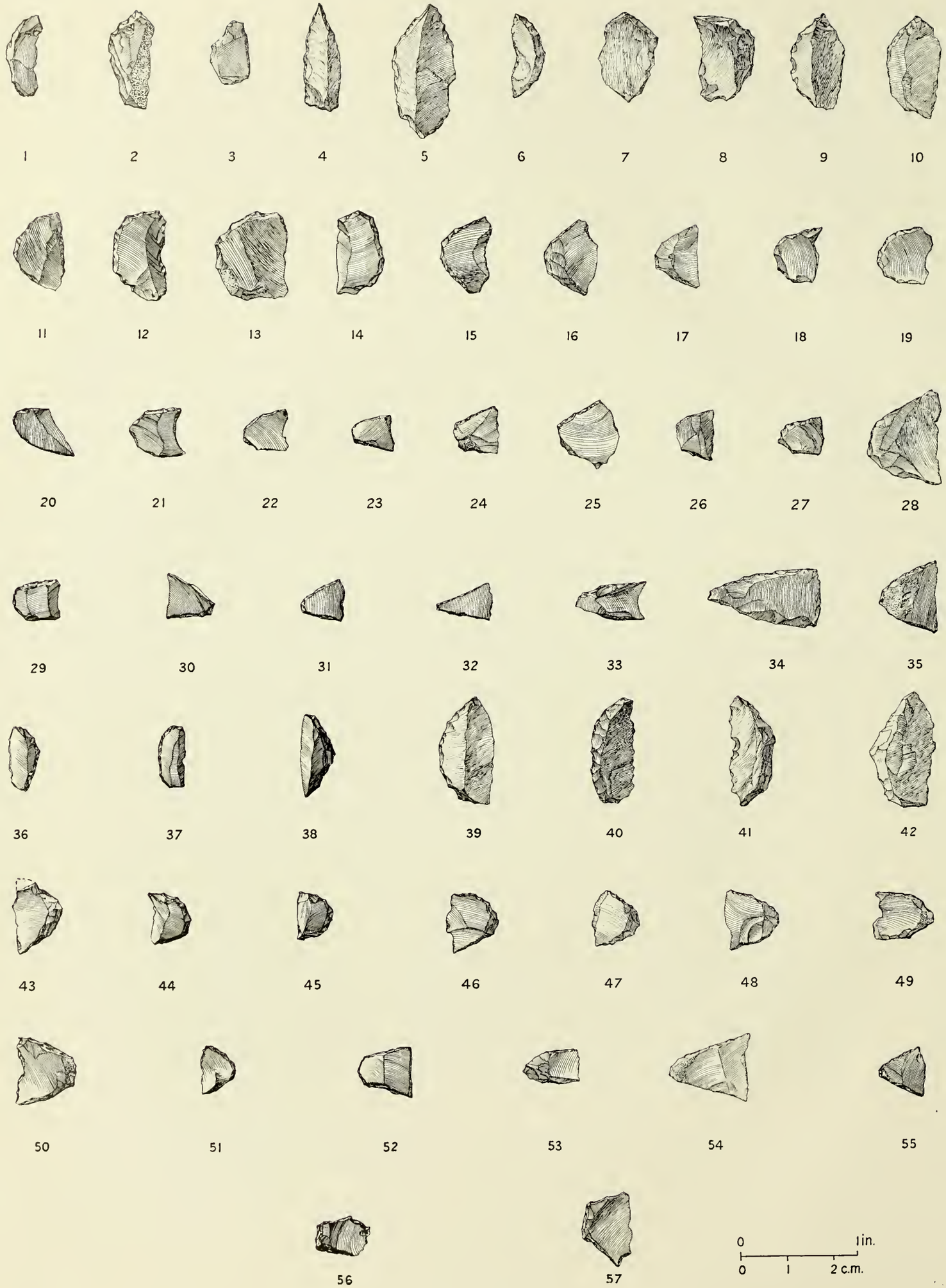
FLAKED IMPLEMENTS



Series illustrating the manufacture of arrow-heads

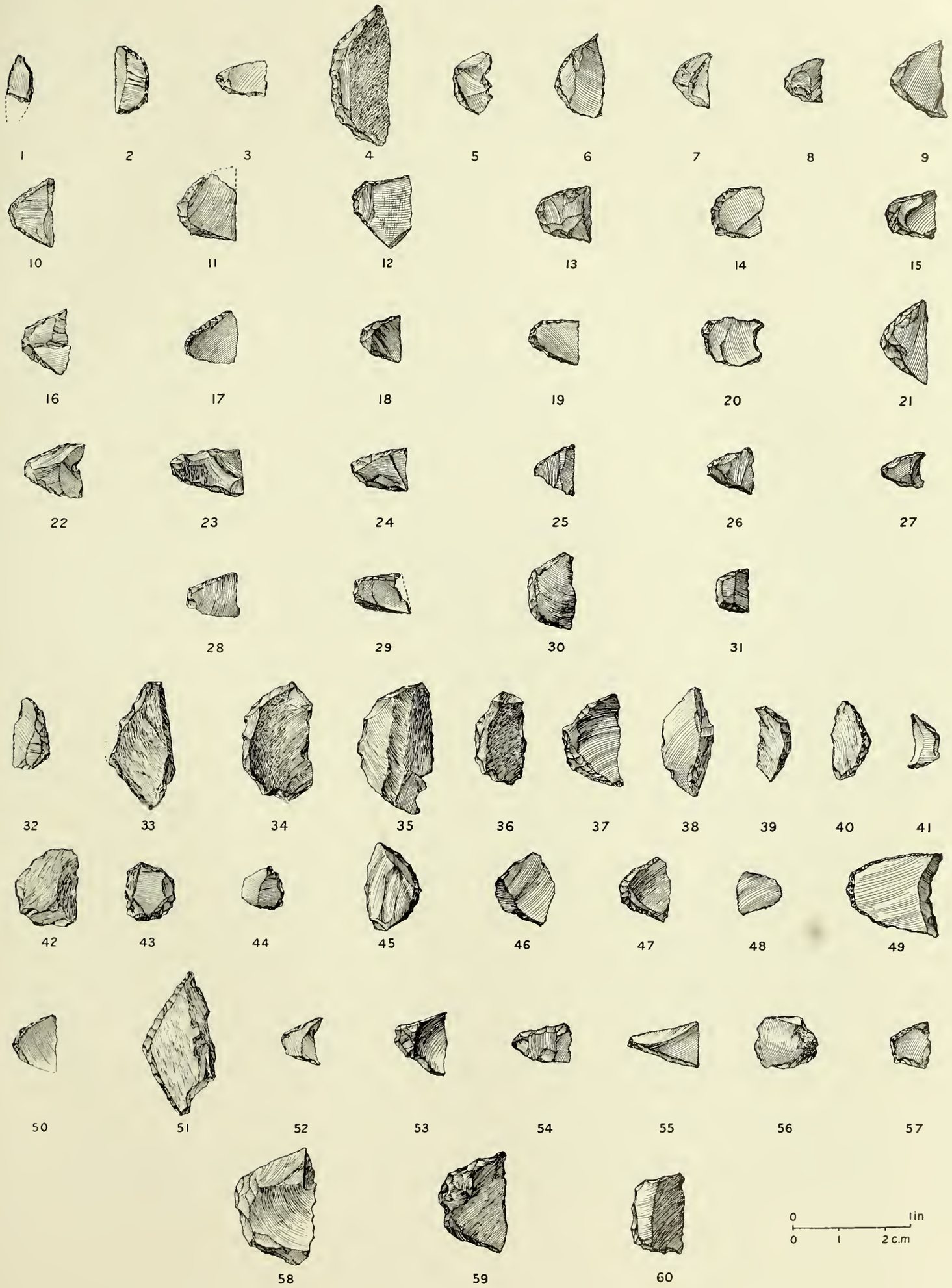
See Text, p. 194

FLAKED IMPLEMENTS



Series of microliths

See Text, p. 195



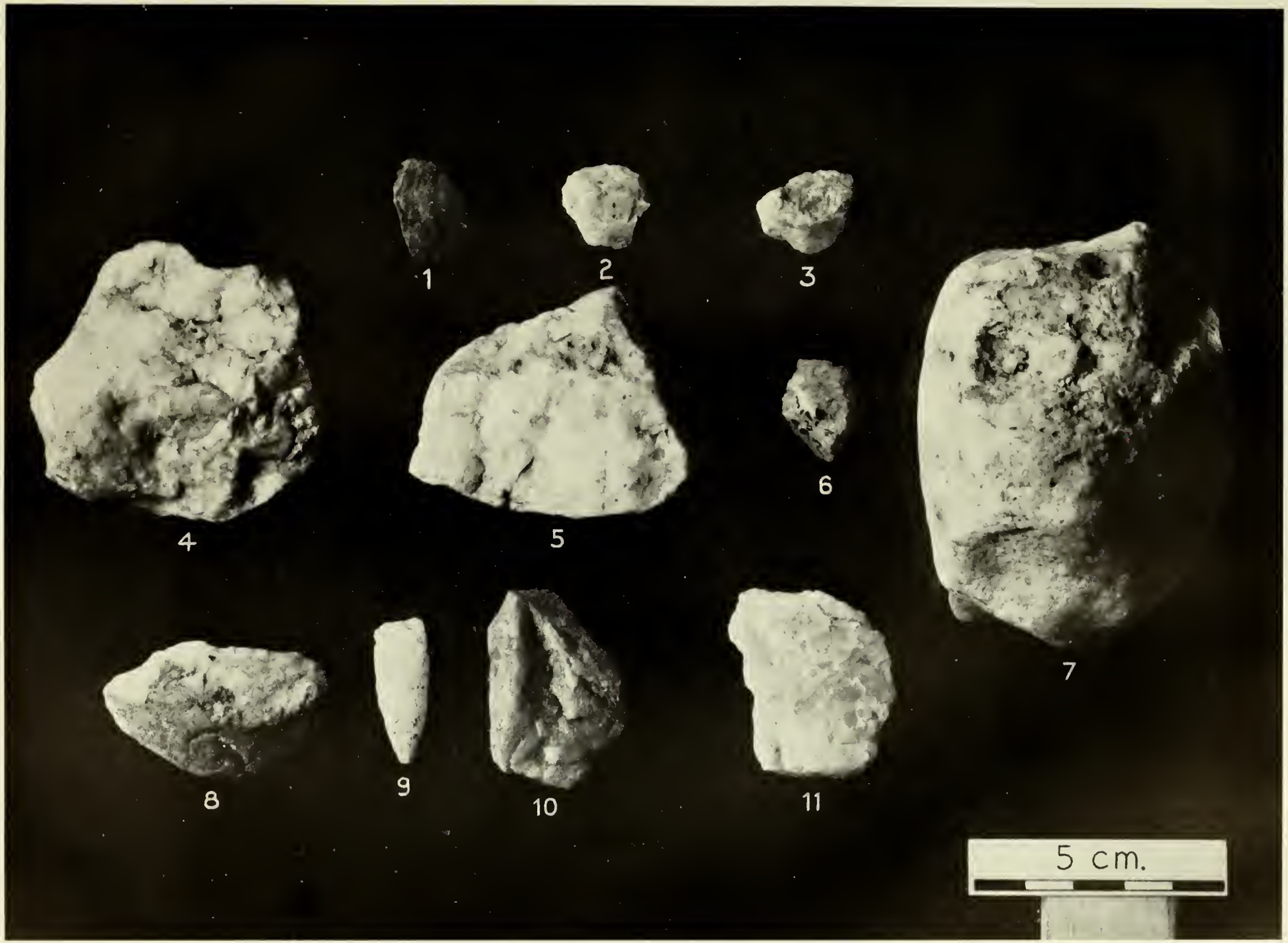
Series of microliths

See Text, p. 195

FLAKED IMPLEMENTS

Miscellaneous implements trimmed in microlithic style; various flakes, small flaked tools, cores, &c.

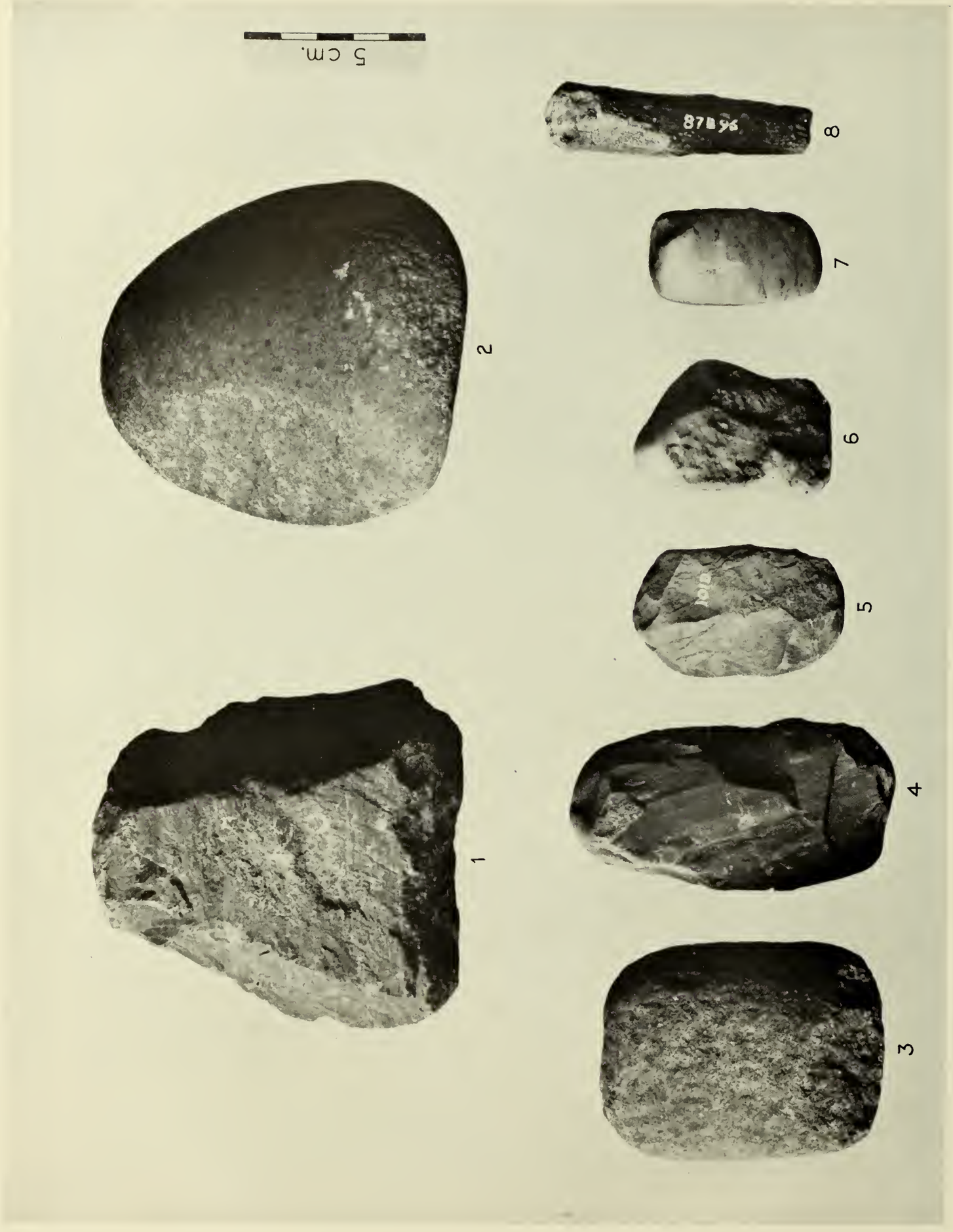
See Text, pp. 195, 196



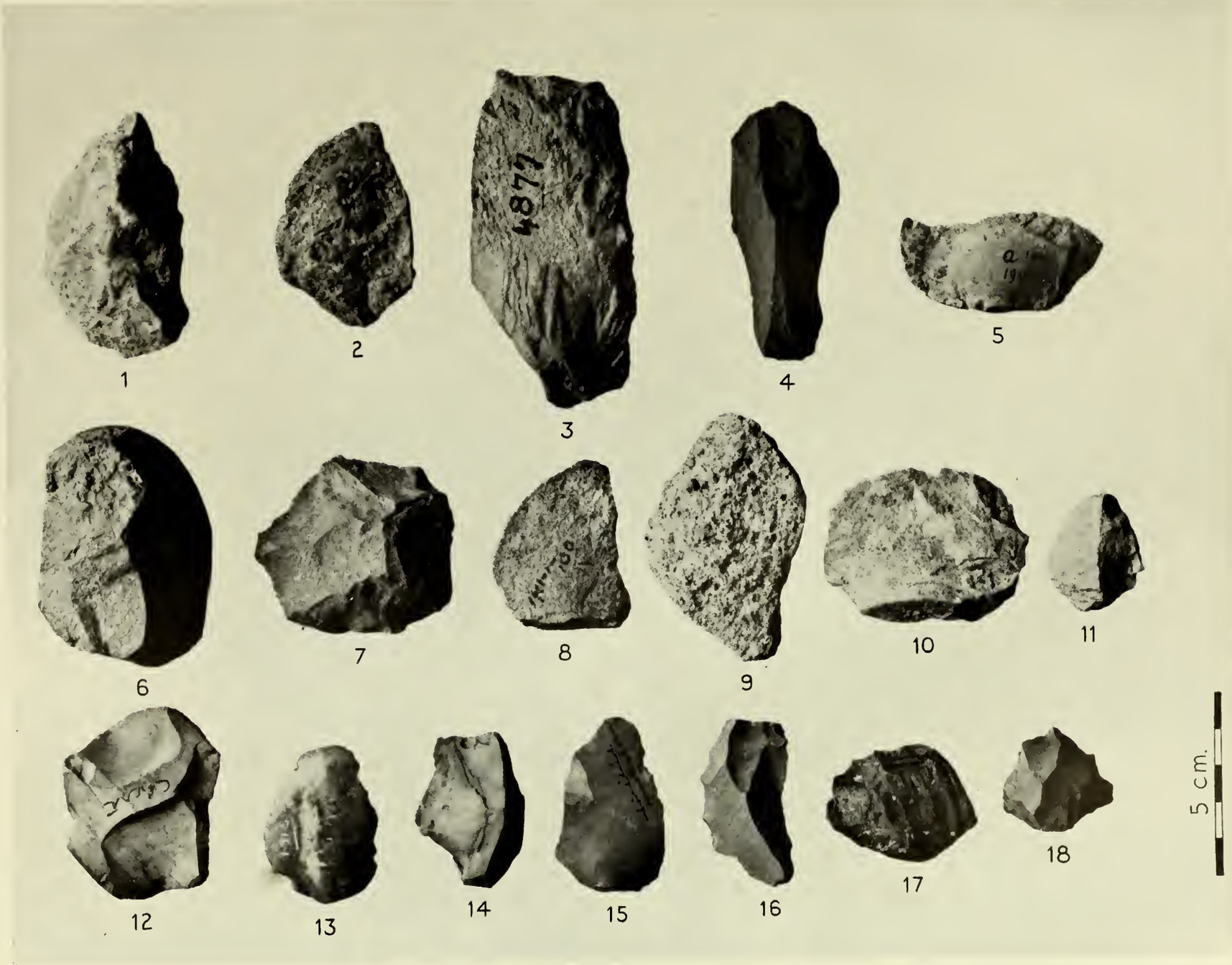
Treatment of quartz

See Text, p. 196

FLAKED IMPLEMENTS



Hammer stones, &c.
See Text, p. 196

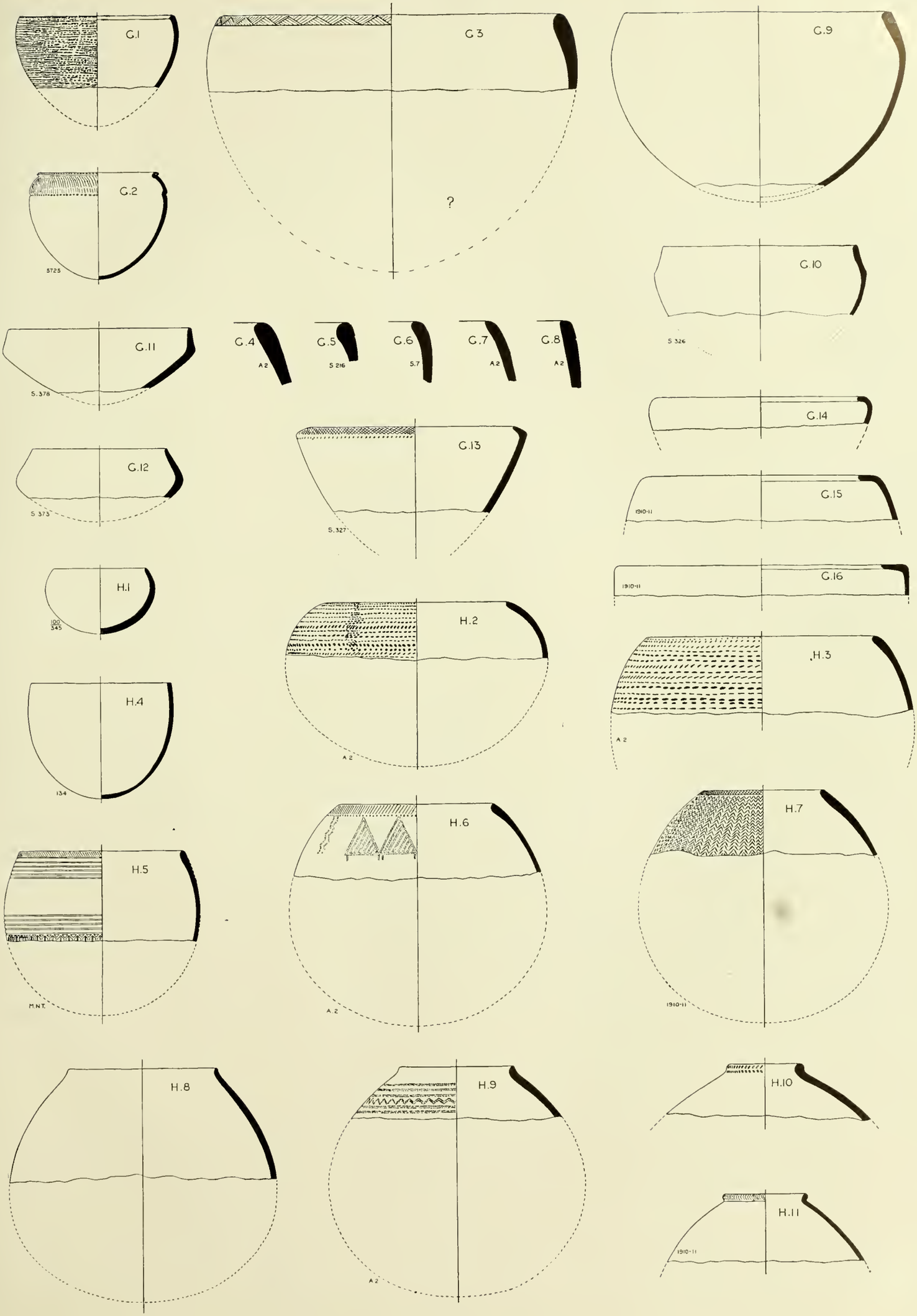


Flakes struck in various materials

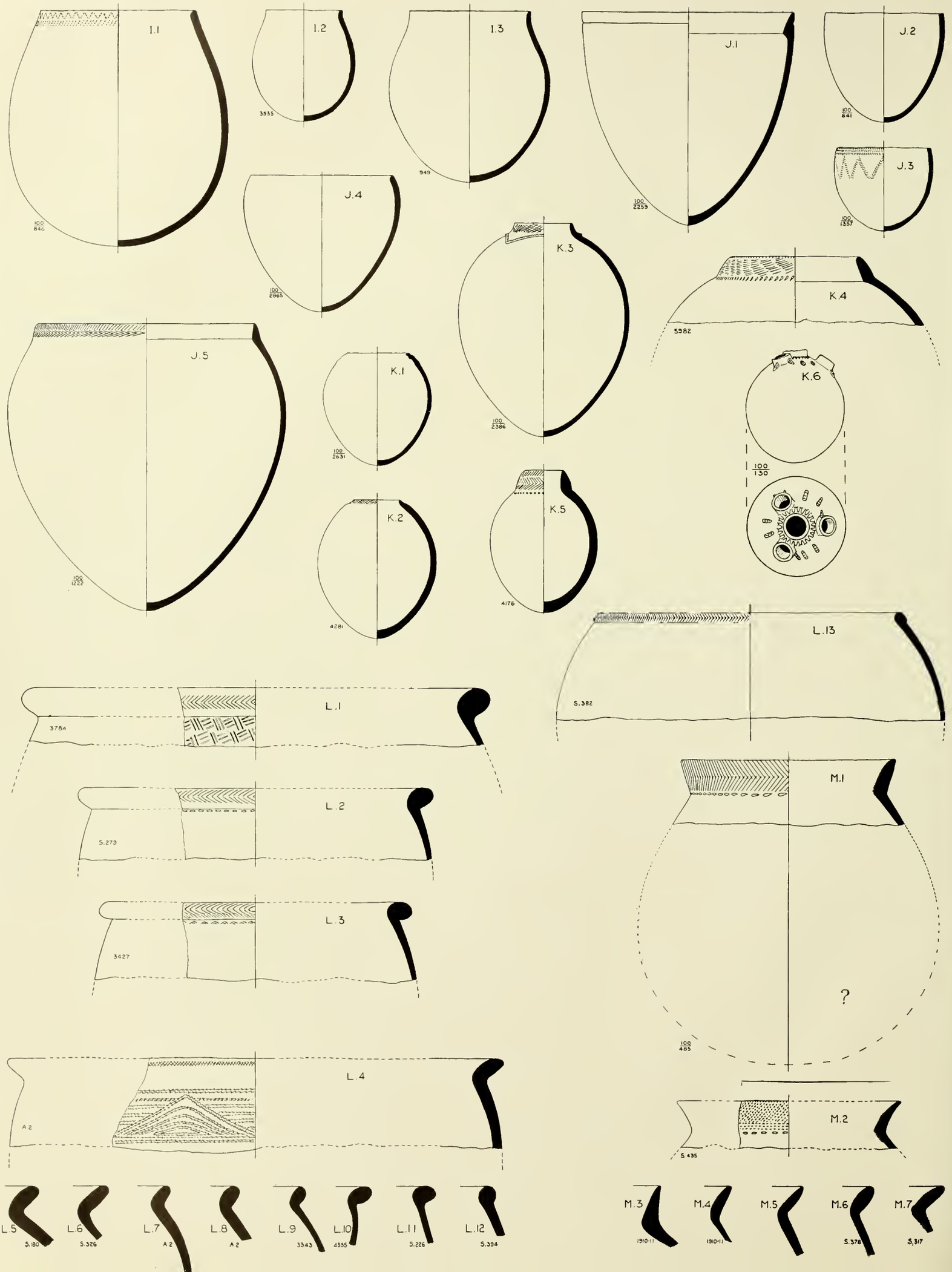
See Text, pp. 196, 197

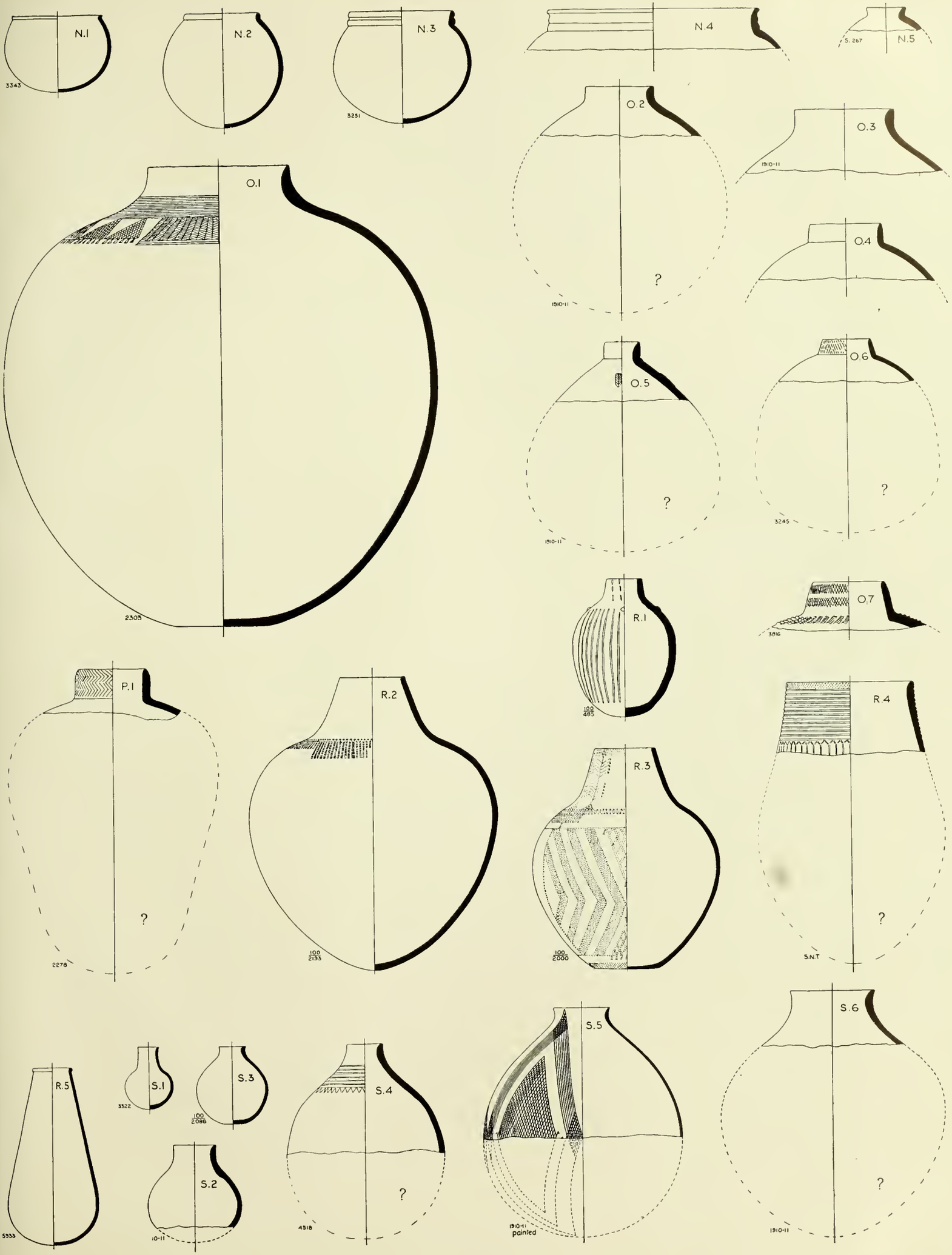
PLATE LXXXIX

POT TYPES 1 : 6


G.1
G.3
?
G.9
G.2
5725
G.10
S 326
G.11
S.378
G.4
A 2
G.5
S 216
G.6
S.7
G.7
A 2
G.8
A 2
G.14
G.13
S.327
G.12
S 373
G.15
1910-11
G.16
1910-11
H.1
100
345
H.2
A 2
H.3
A 2
H.4
134
H.7
1910-11
H.6
A 2
H.5
M.N.T.
H.8
H.9
A 2
H.10
H.11
1910-11

POT TYPES 1:6


I.1
100/846
I.2
3535
I.3
949
J.1
100/2253
J.2
100/841
J.3
100/1357
J.4
100/2865
K.3
100/2386
K.4
5582
J.5
100/1222
K.1
100/2631
K.6
100/130
K.2
4281
K.5
4176
L.13
S.382
L.1
3784
L.2
S.279
L.3
3427
M.1
?
100/485
L.4
A2
M.2
S.435
L.5
S.180
L.6
S.326
L.7
A2
L.8
A2
L.9
3343
L.10
4335
L.11
S.226
L.12
S.394
M.3
1910-11
M.4
1910-11
M.5
M.6
S.378
M.7
S.317


N.1
3343
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N.4
S. 267
N.5
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2303
O.2
?
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O.3
1910-11
O.4
O.5
?
1910-11
O.6
?
3245
O.7
3816
R.1
100
485
P.1
?
2278
R.2
100
2153
R.3
100
2000
R.4
?
S.N.T.
R.5
5933
S.1
3522
S.3
100
2086
S.2
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S.4
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S.5
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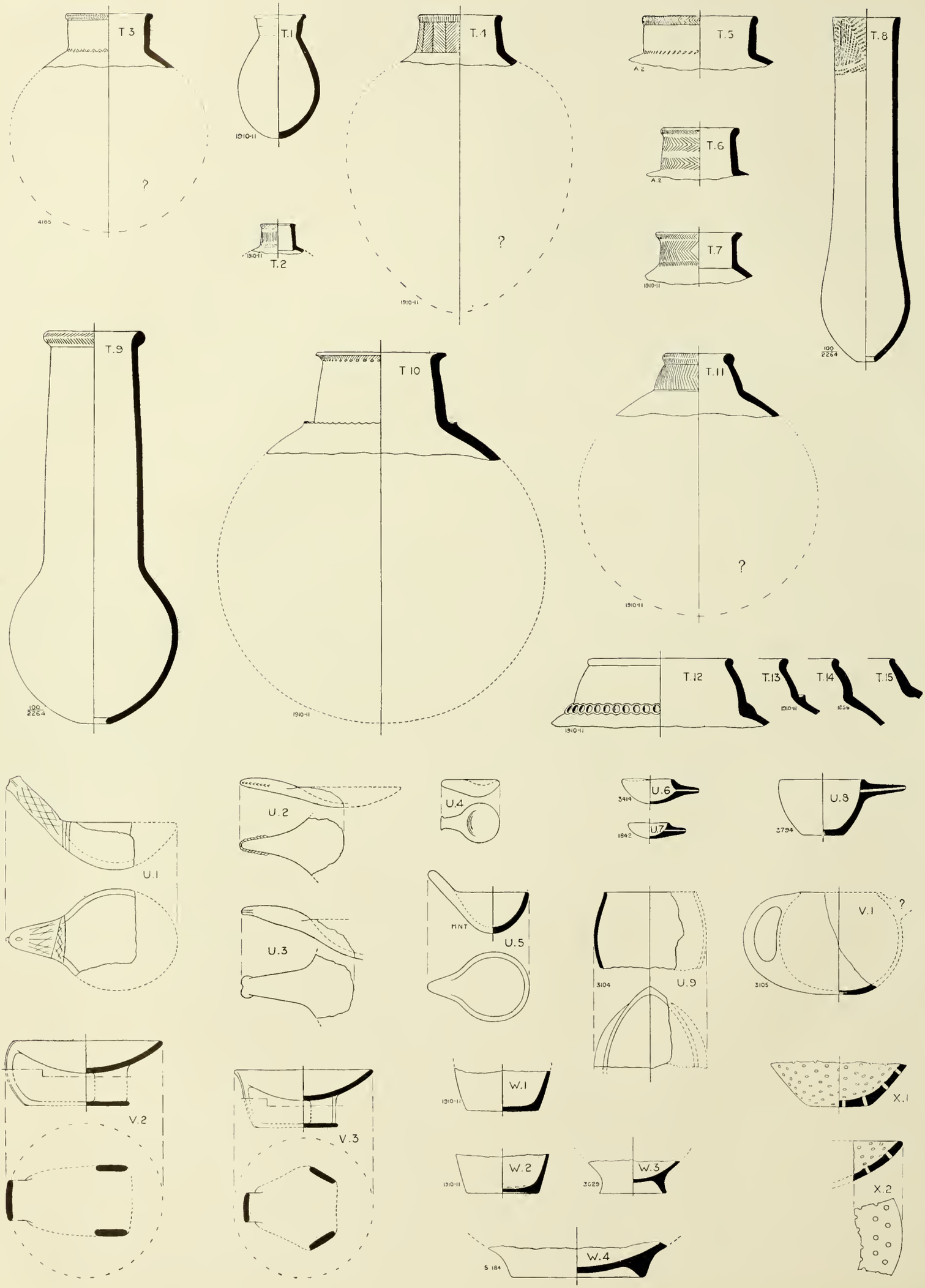
painted
S.6
?
1910-11

POT TYPES 1 : 6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A.2
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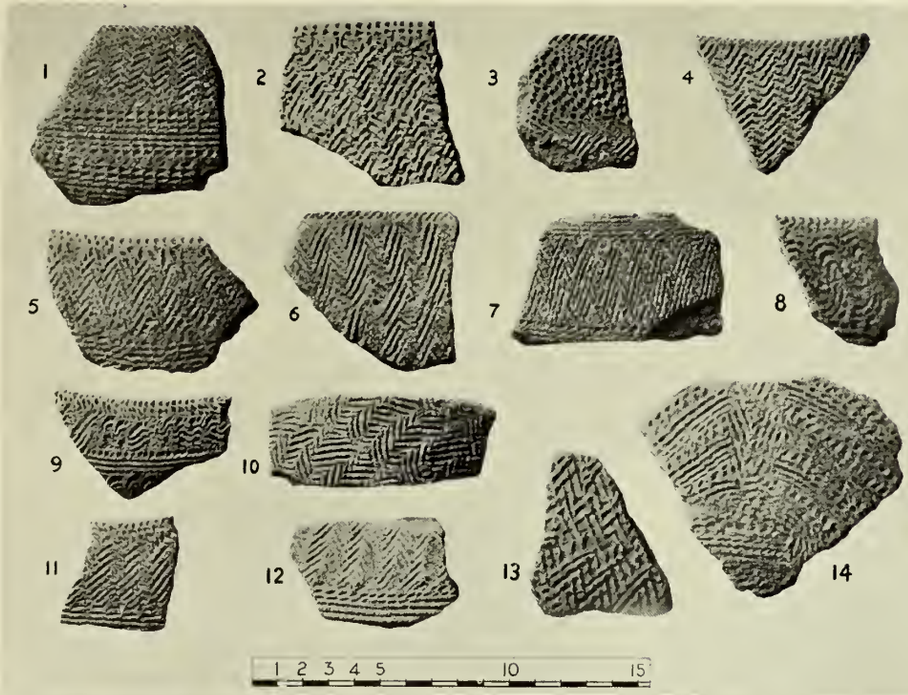
A.2
T.7
1910-11
T.8
100
2264
T.9
100
2264
T.10
1910-11
T.11
1910-11
T.12
1910-11
T.13
1910-11
T.14
T.15
U.1
U.2
U.3
U.4
U.5
MNT
U.6
3414
U.7
1842
U.8
3794
U.9
3104
V.1
3105
V.2
V.3
W.1
1910-11
W.2
1910-11
W.3
3629
W.4
S 184
X.1
X.2

POTSHERDS

A



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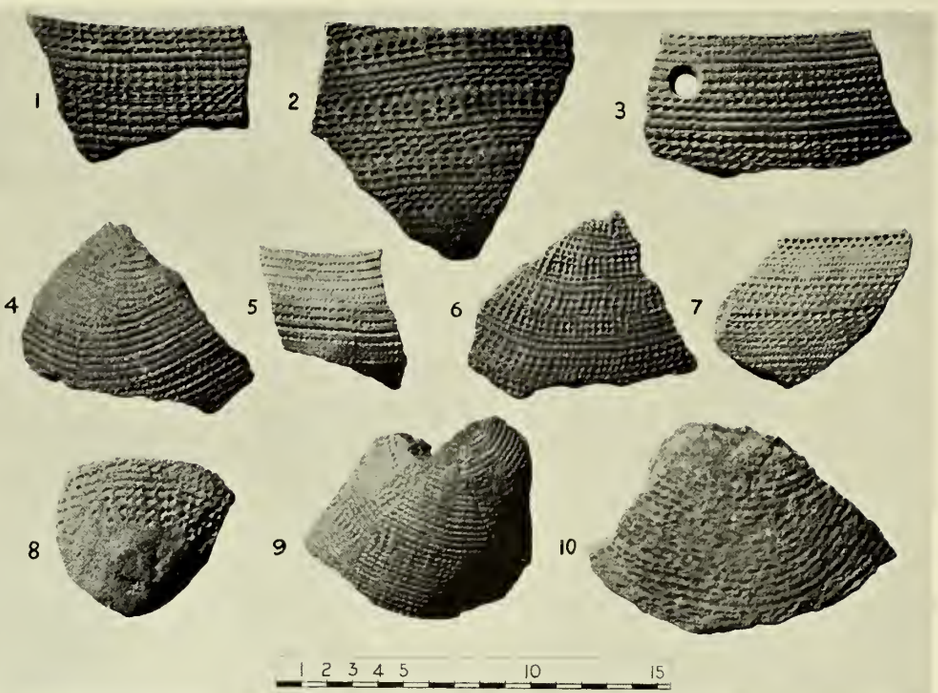

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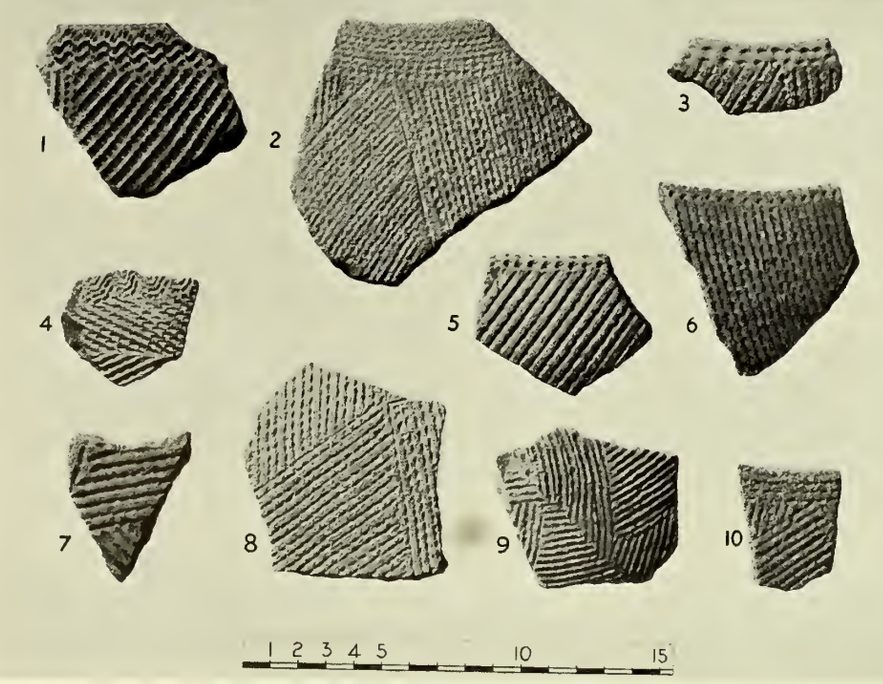

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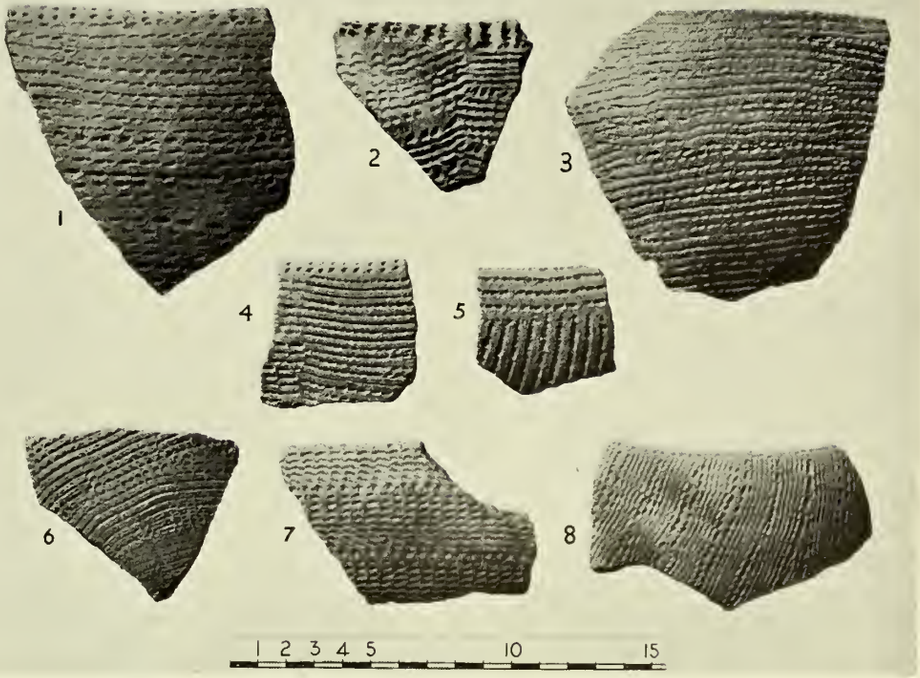
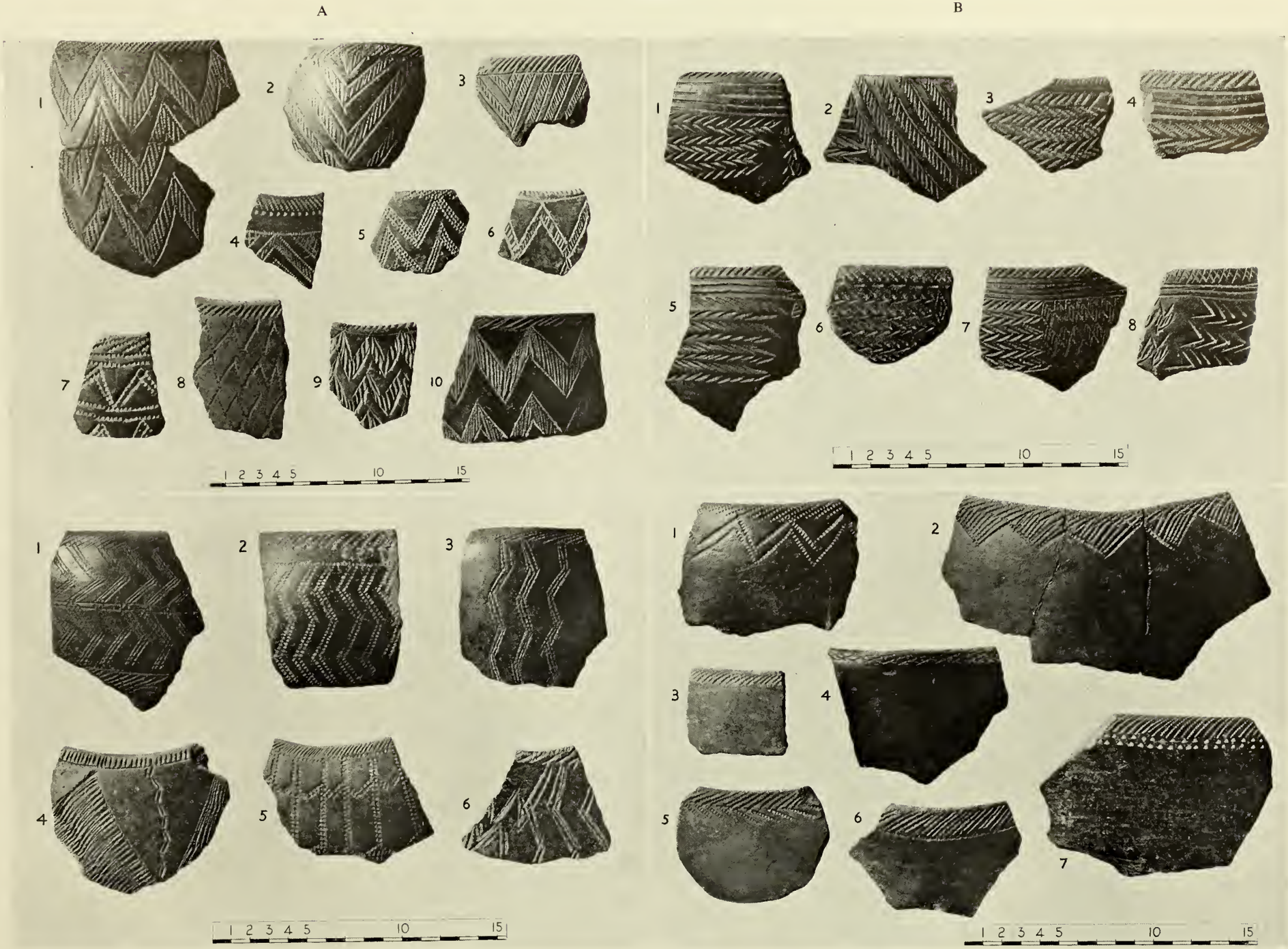


See Text, pp. 203, 233

PLATE XCIV

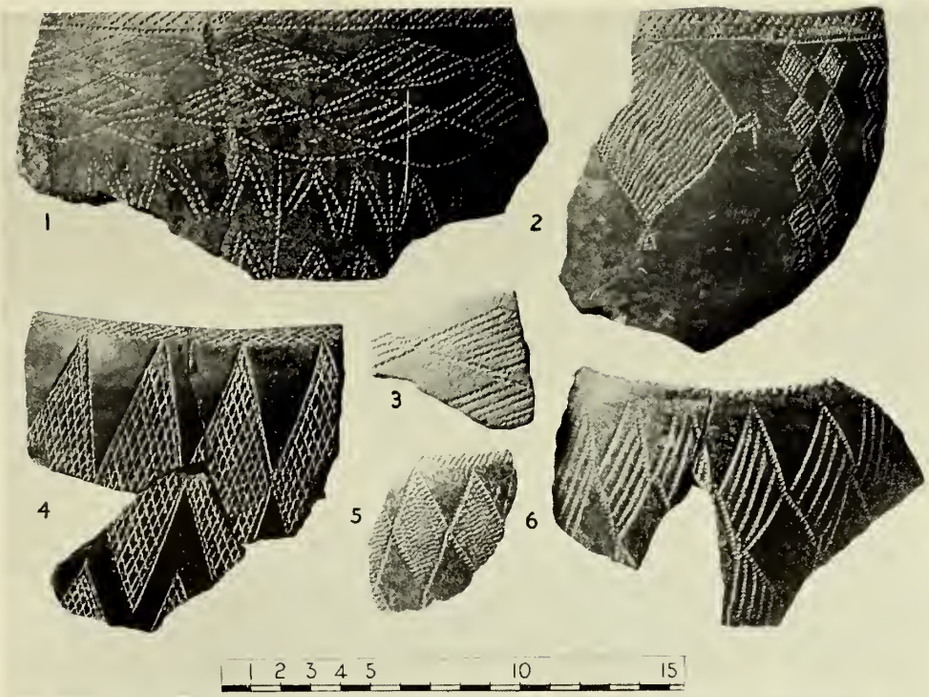
POTSHERDS



See Text, pp. 205, 234

POTSHERDS

A



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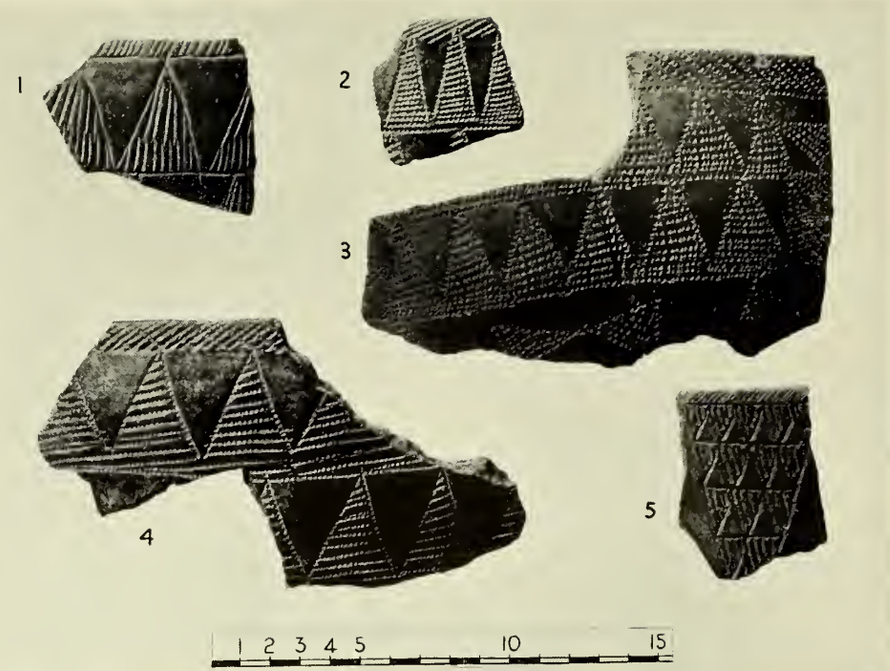

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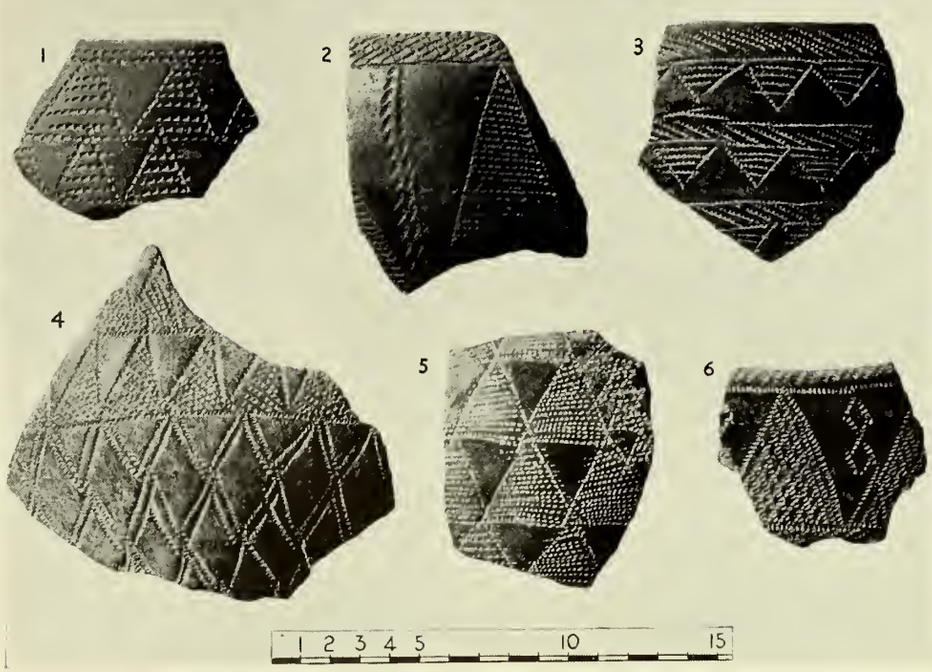

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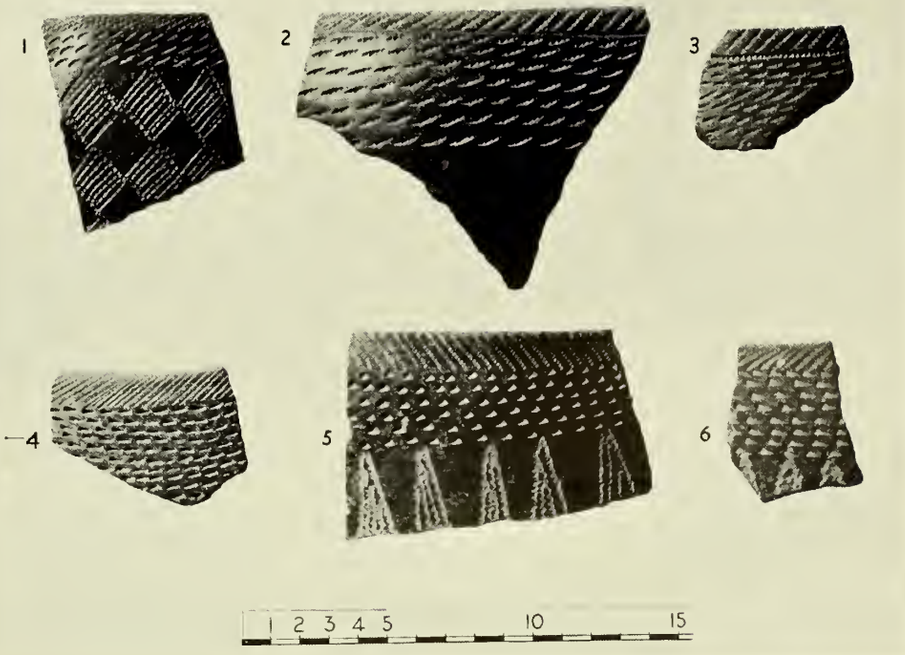
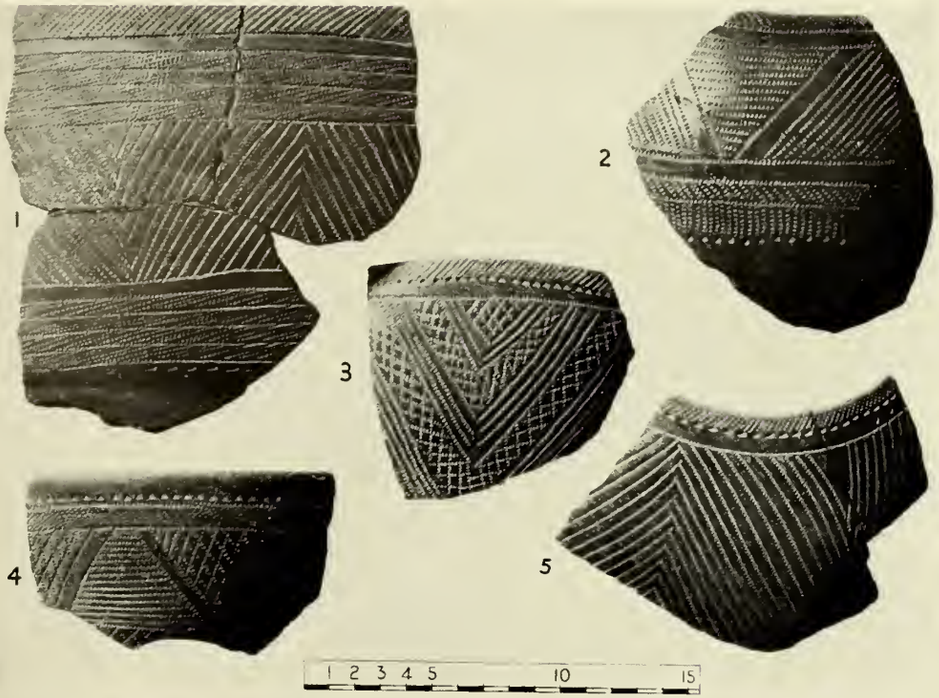


See Text, pp. 234, 235

PLATE XCVI

POTSHERDS

A



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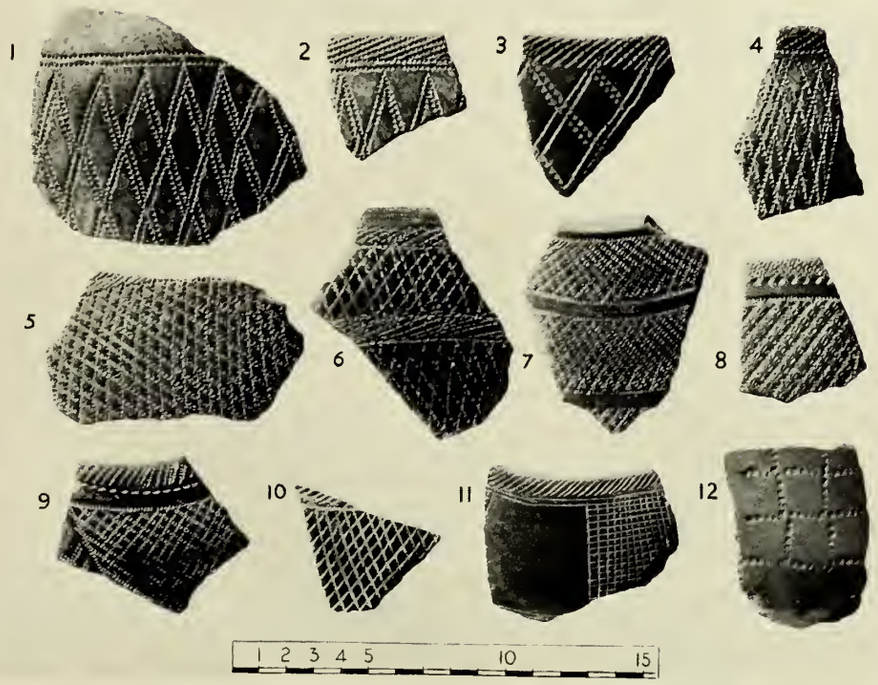

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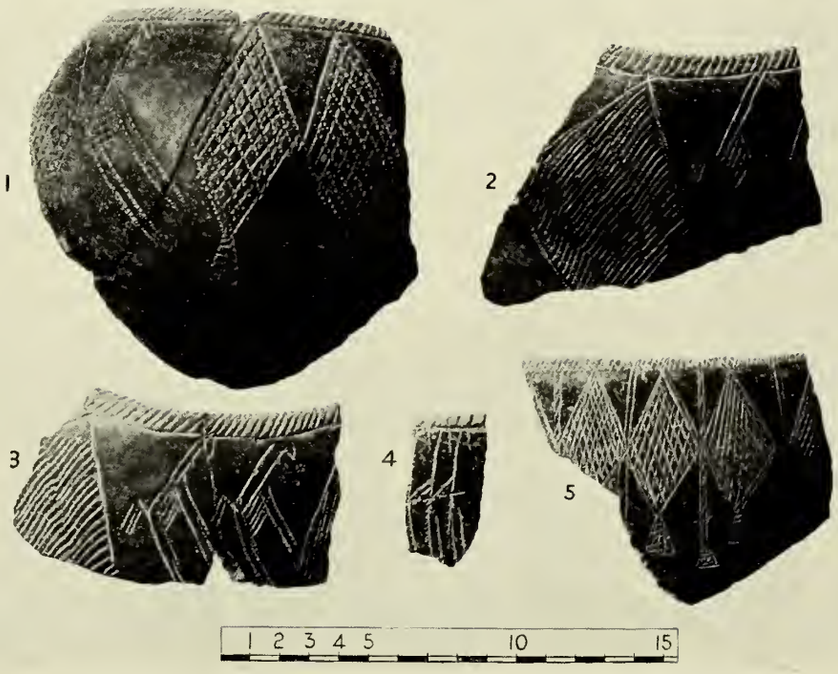
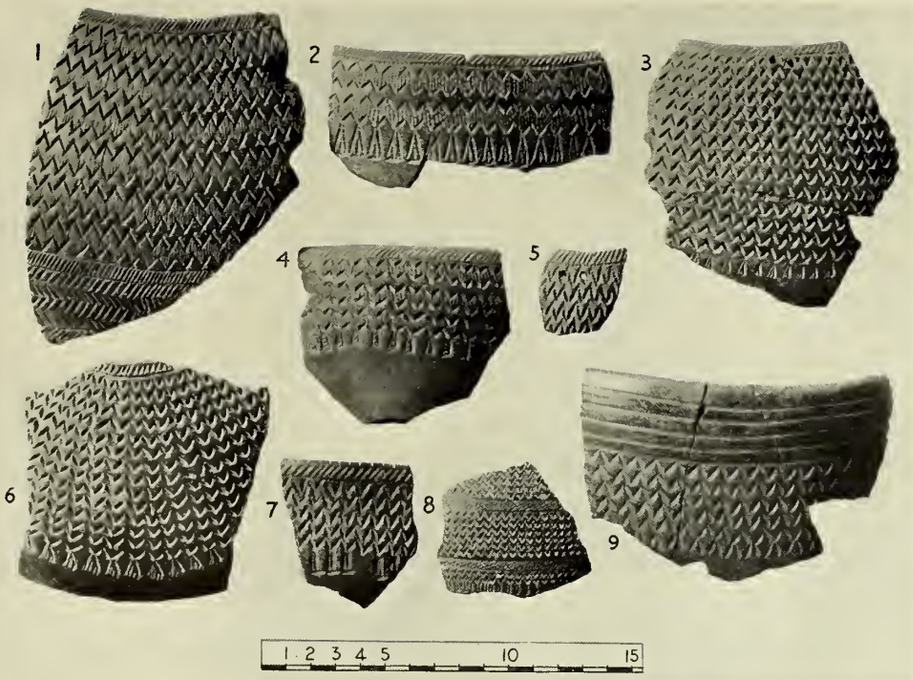


See Text, pp. 235, 236

POTSHERDS

A



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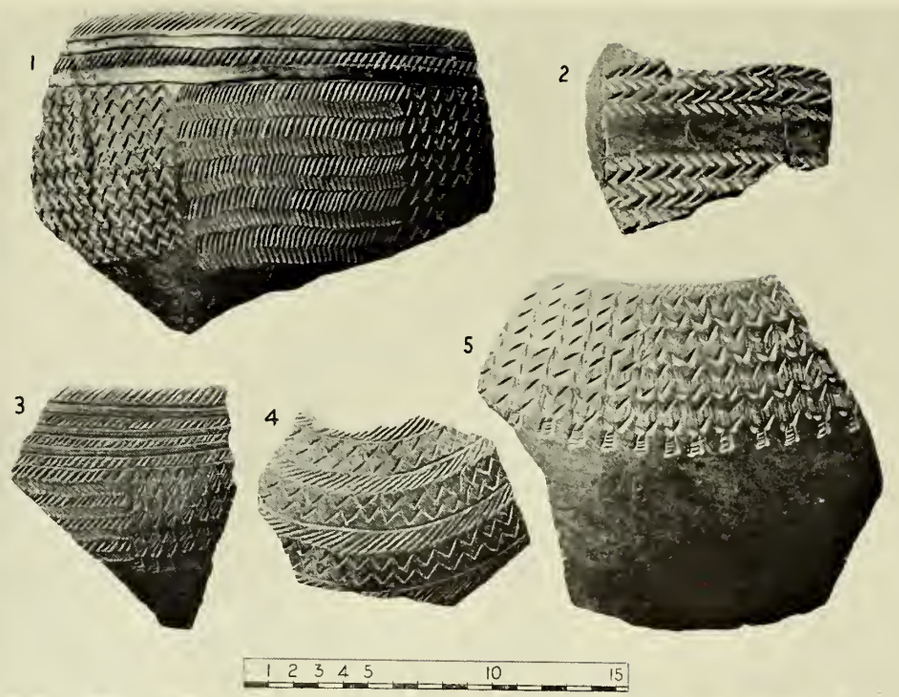

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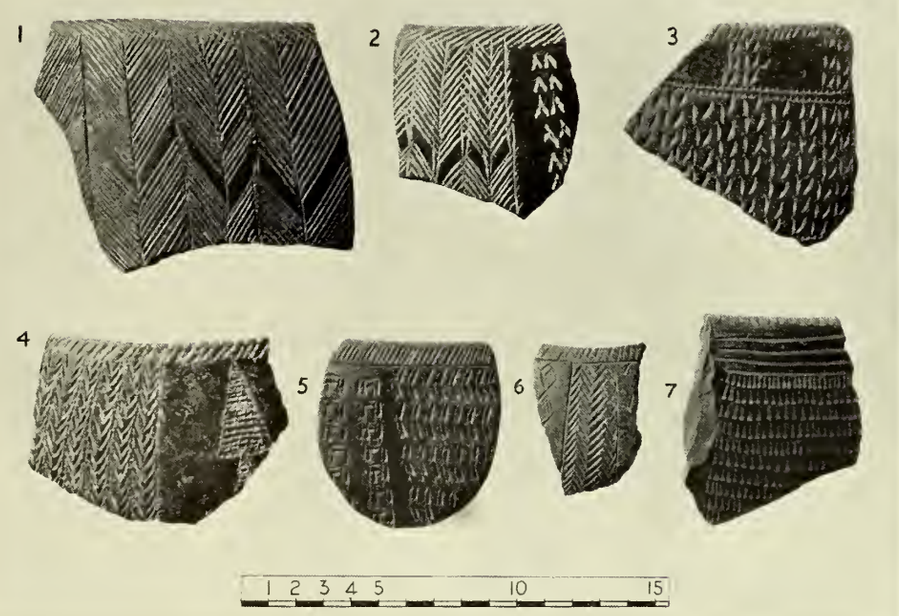

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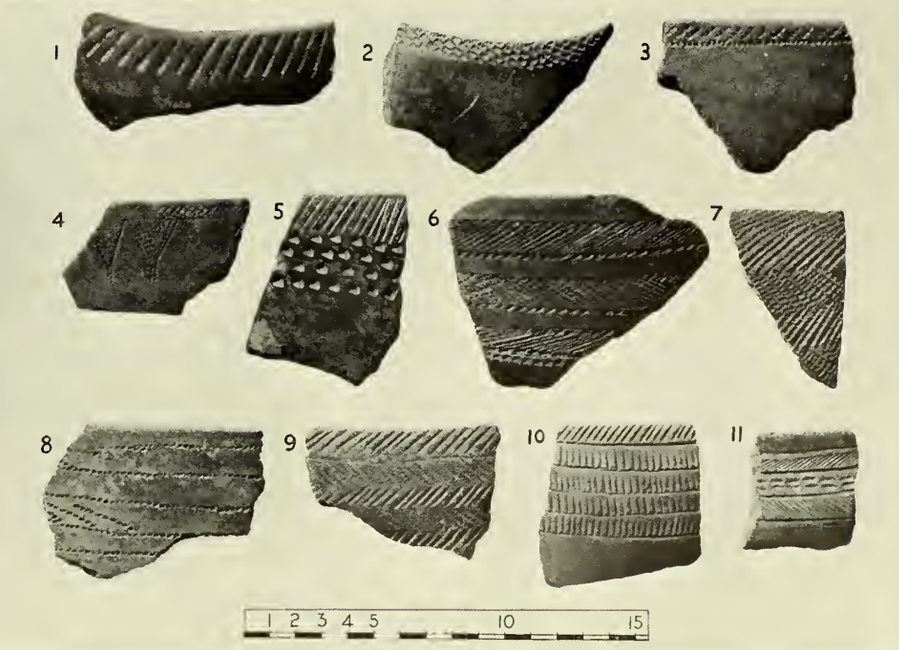


See Text, p. 236

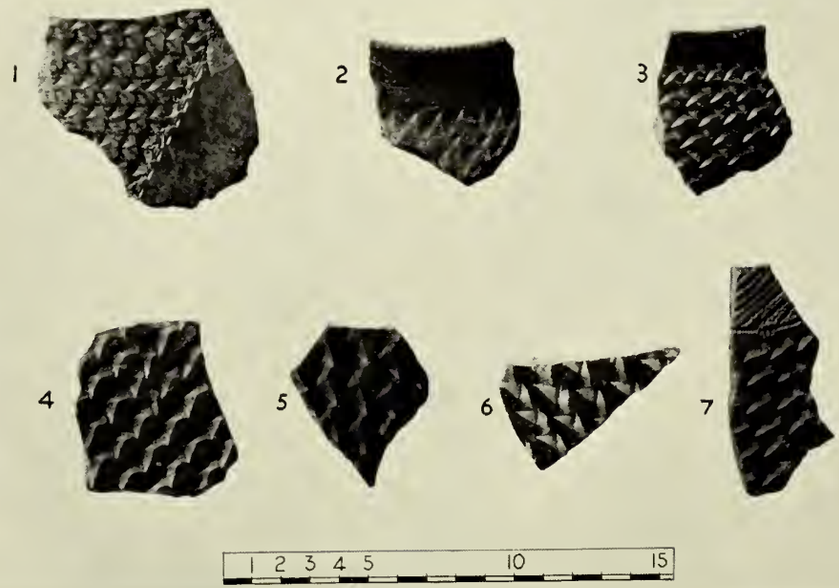
PLATE XCVIII

POTSHERDS

A

B

C

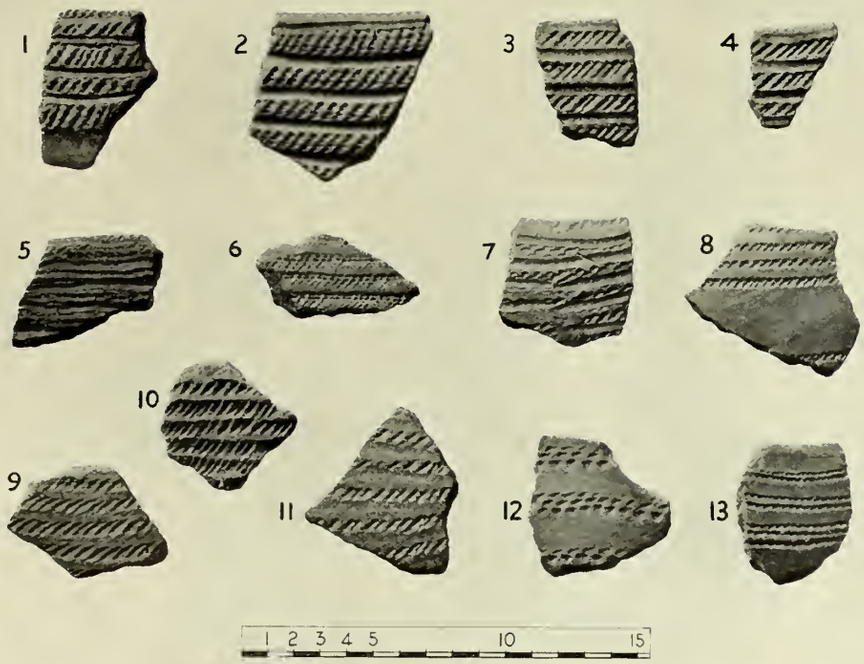


D

See Text, pp. 206, 236, 237

POTSHERDS

A



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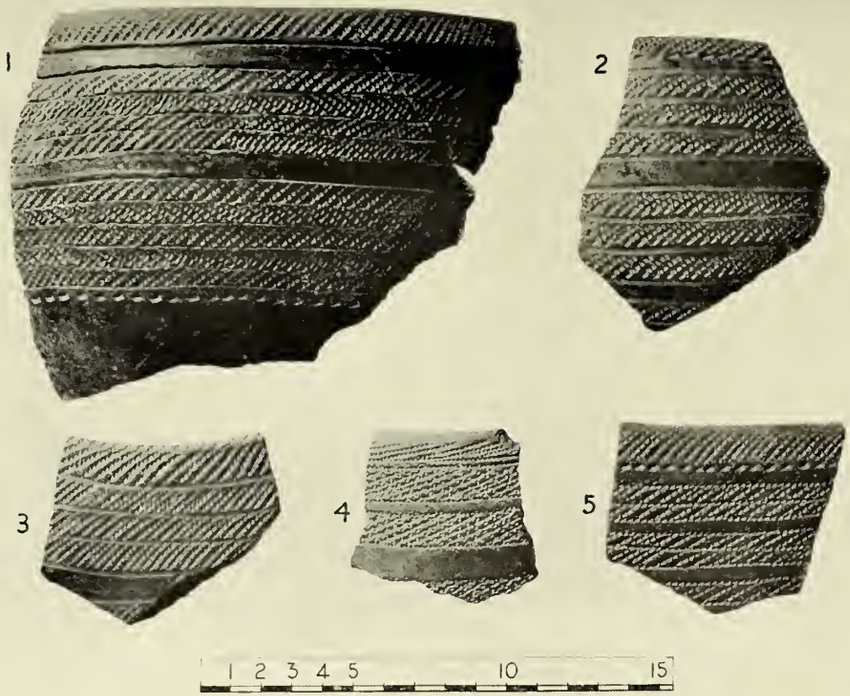

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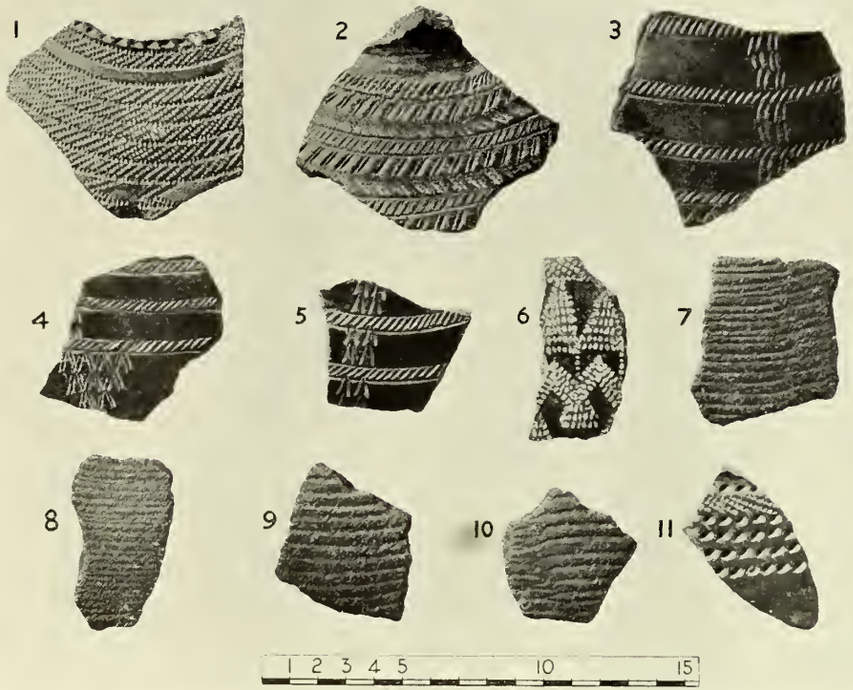

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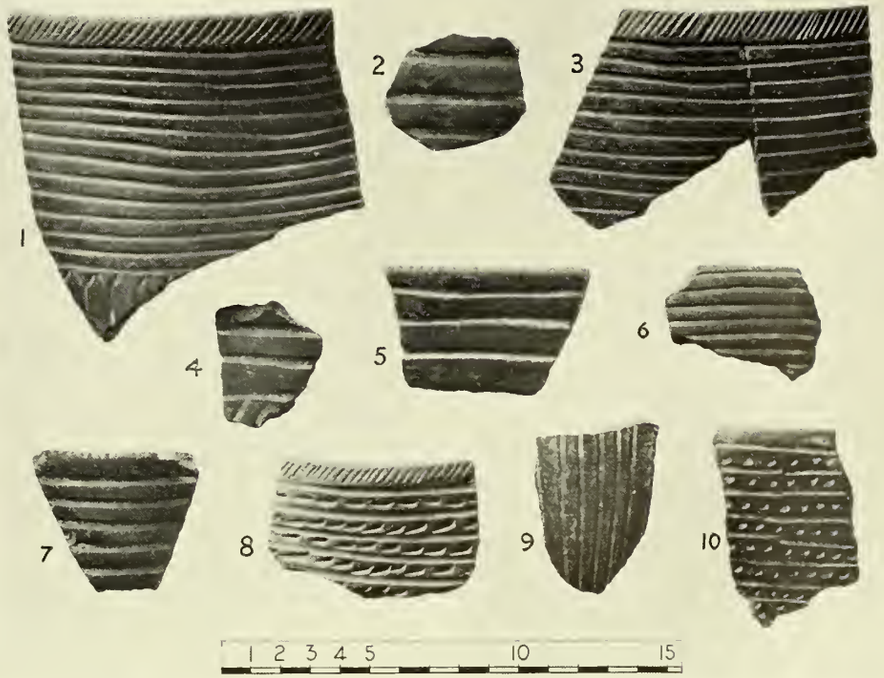


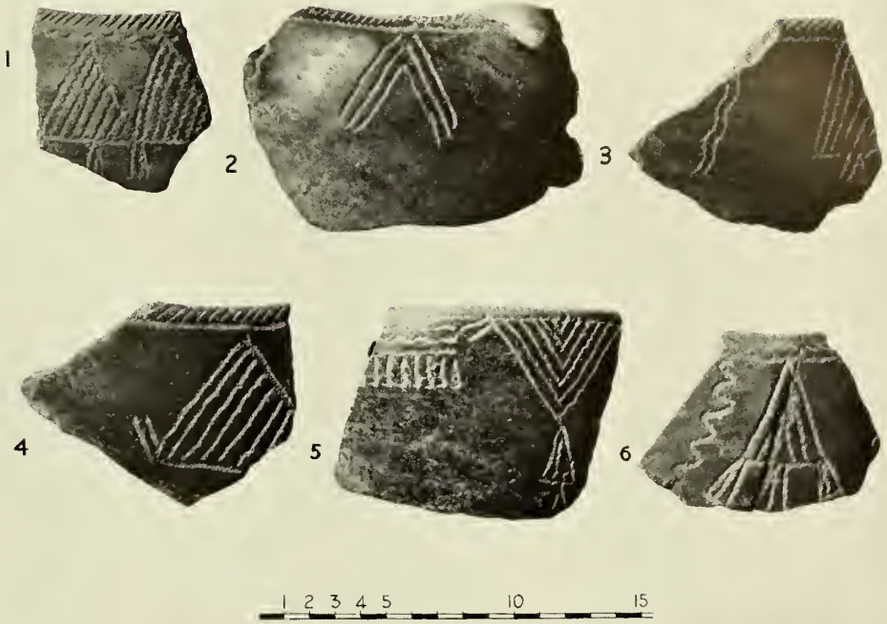
See Text, pp. 237, 238

PLATE C

POTSHERDS

A

B



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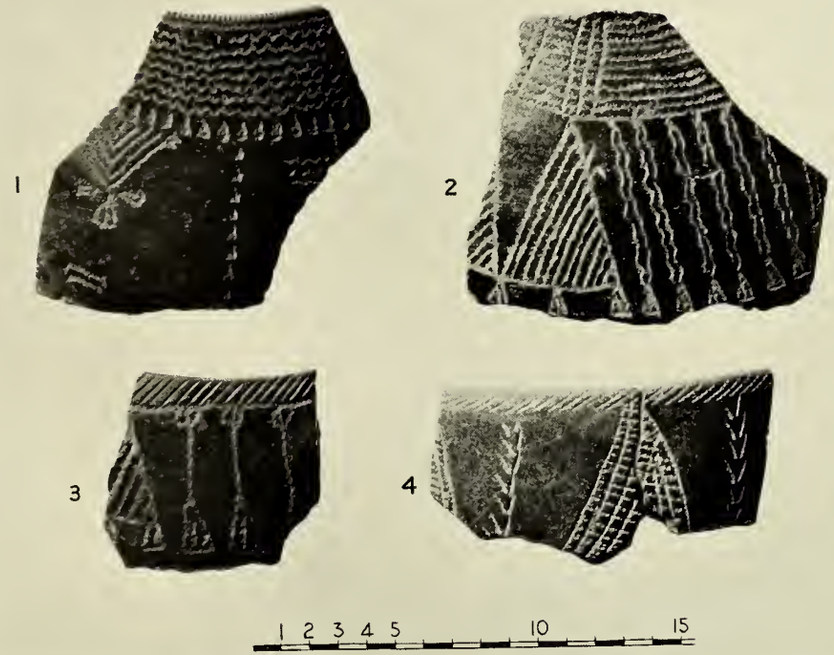

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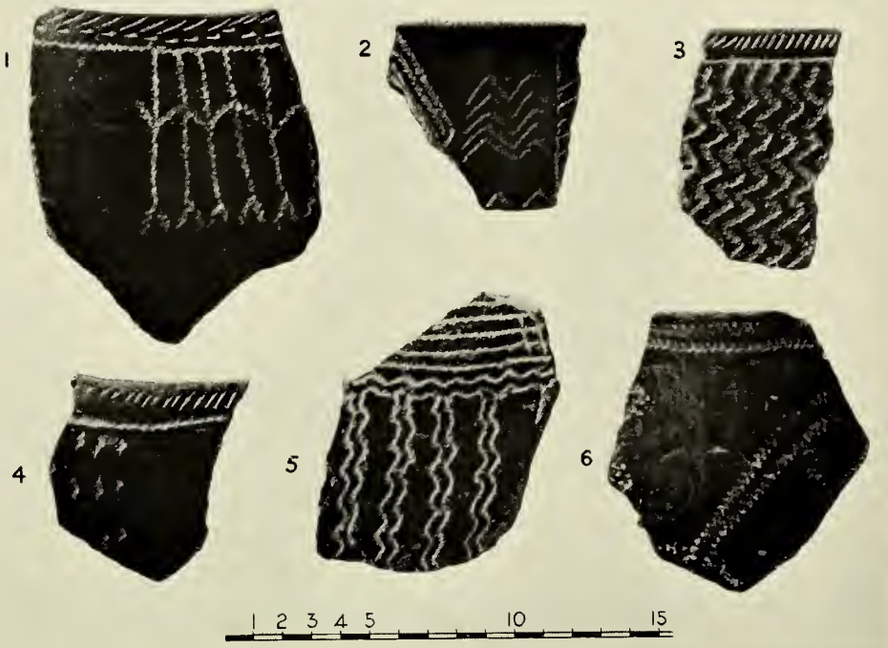
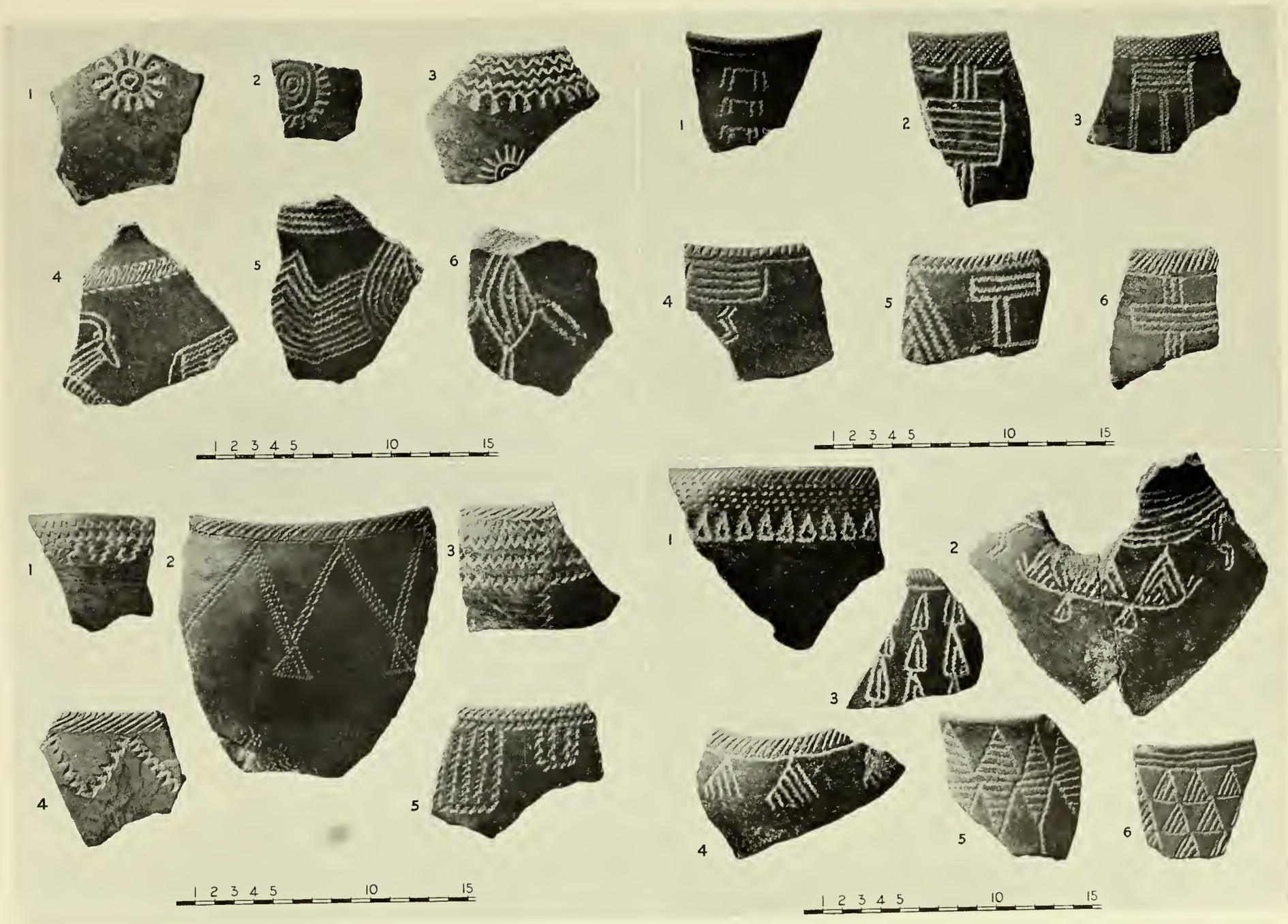


See Text, pp. 207–10, 238

POTSHERDS

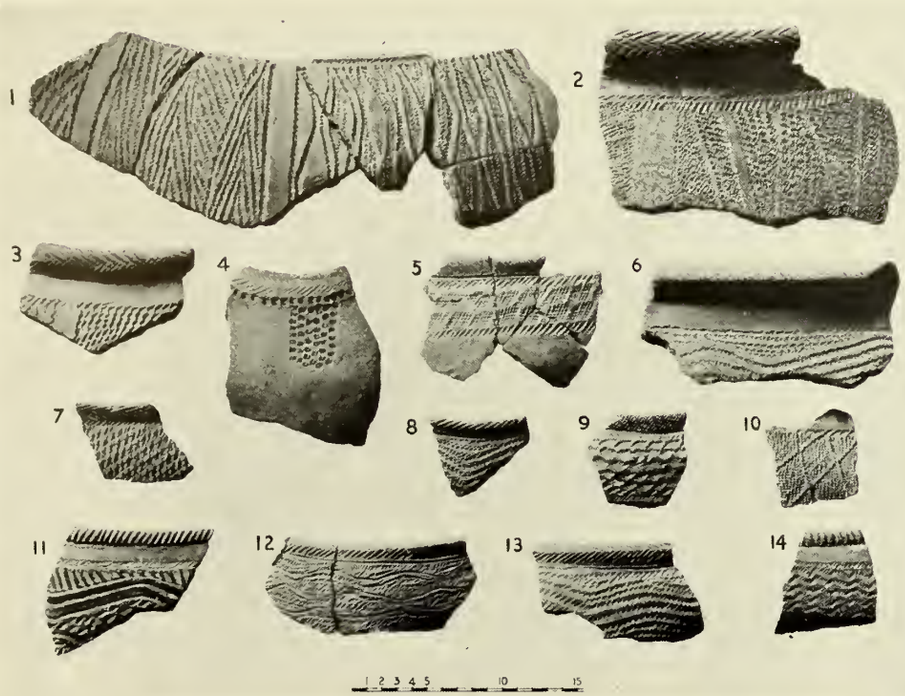


See Text, pp. 207–10, 239

PLATE CII

LARGE POT RIMS

A



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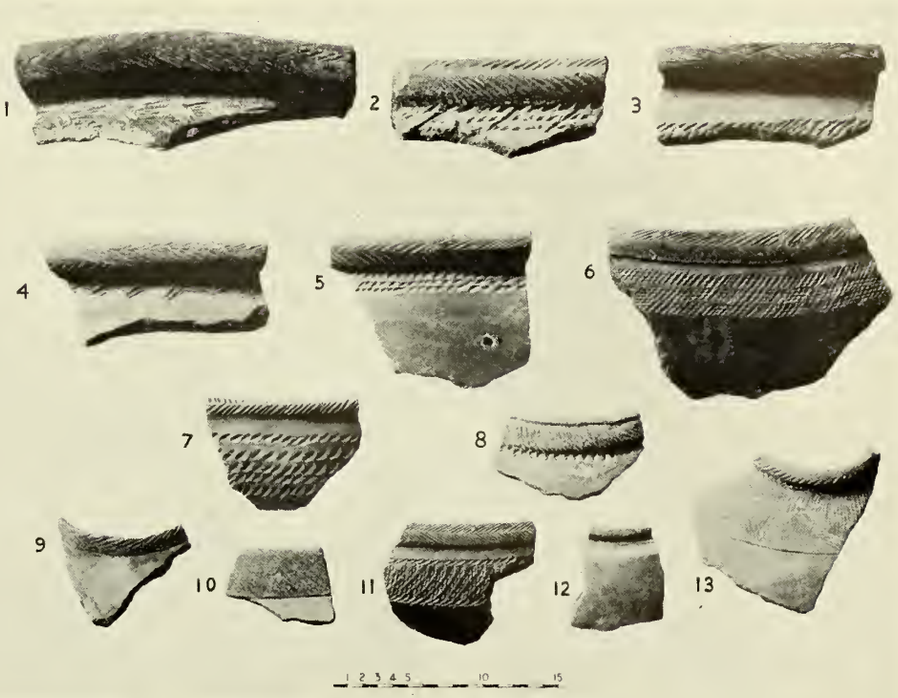

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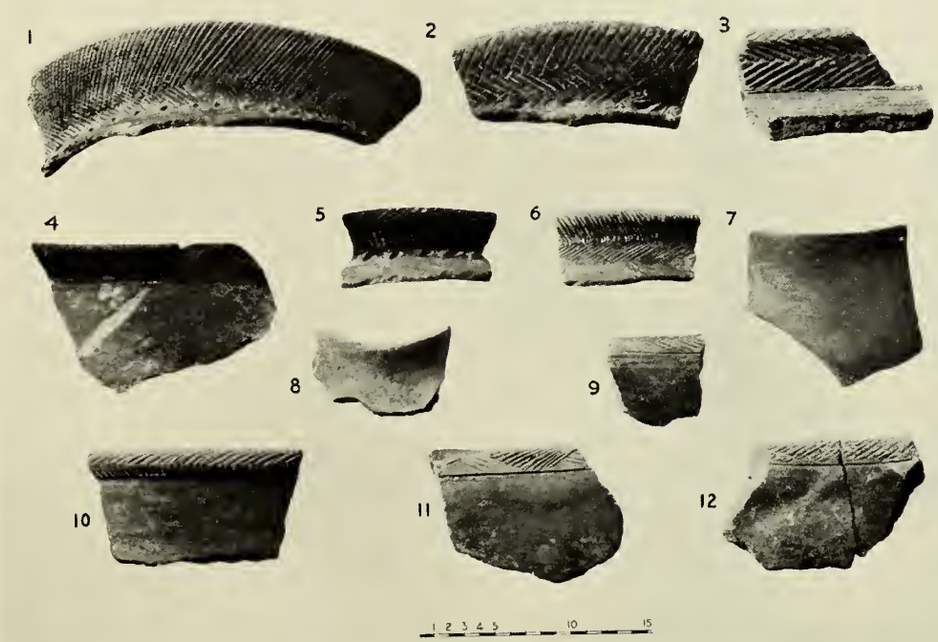

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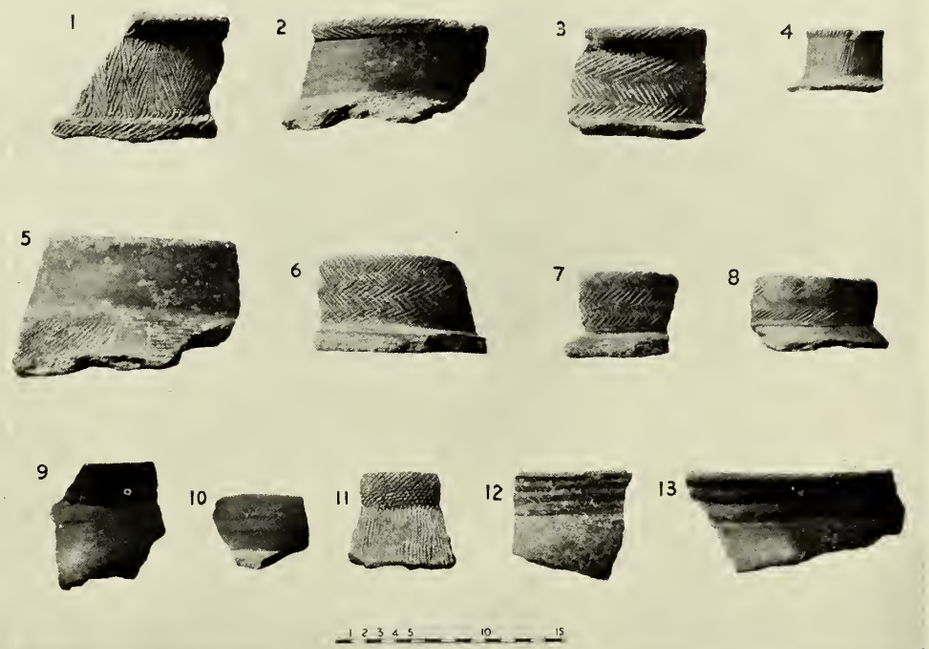


See Text, pp. 211, 239, 240

POTSHERDS

See Text, pp. 211, 212, 240, 241

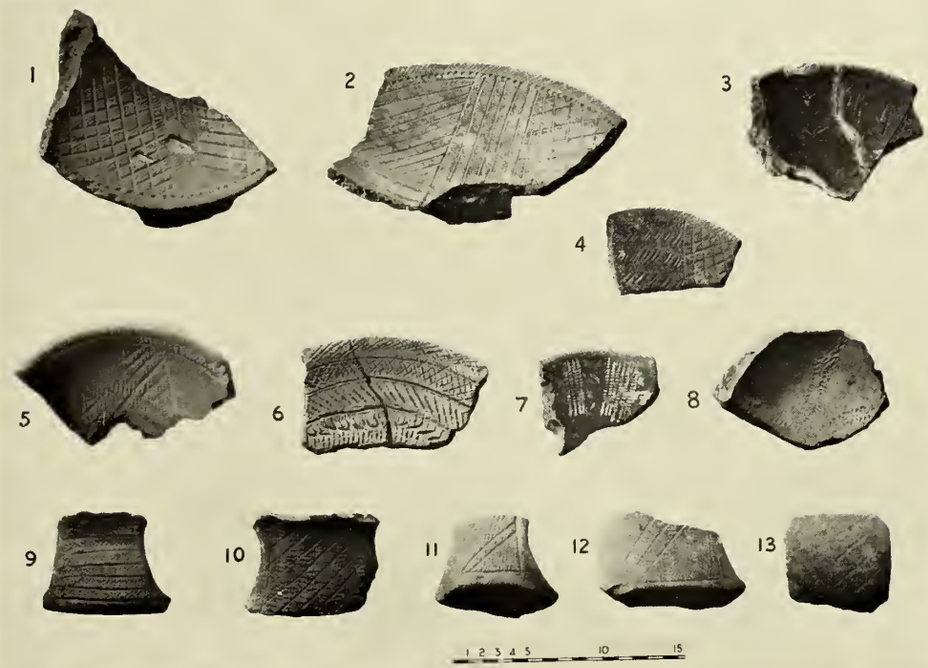
PLATE CIV

POTSHERDS

A

B

C



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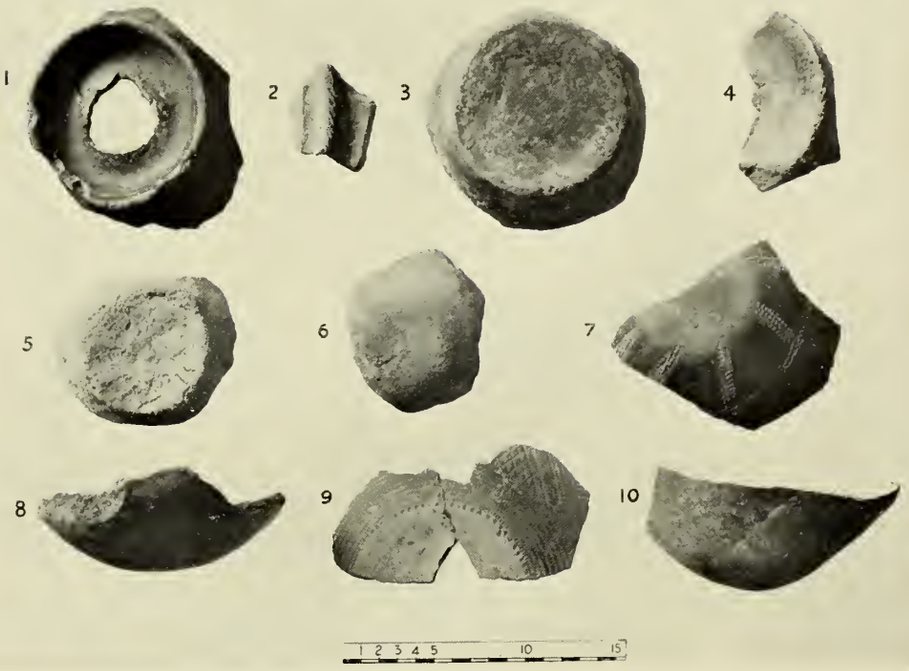


See Text, pp. 214, 227, 241, 242

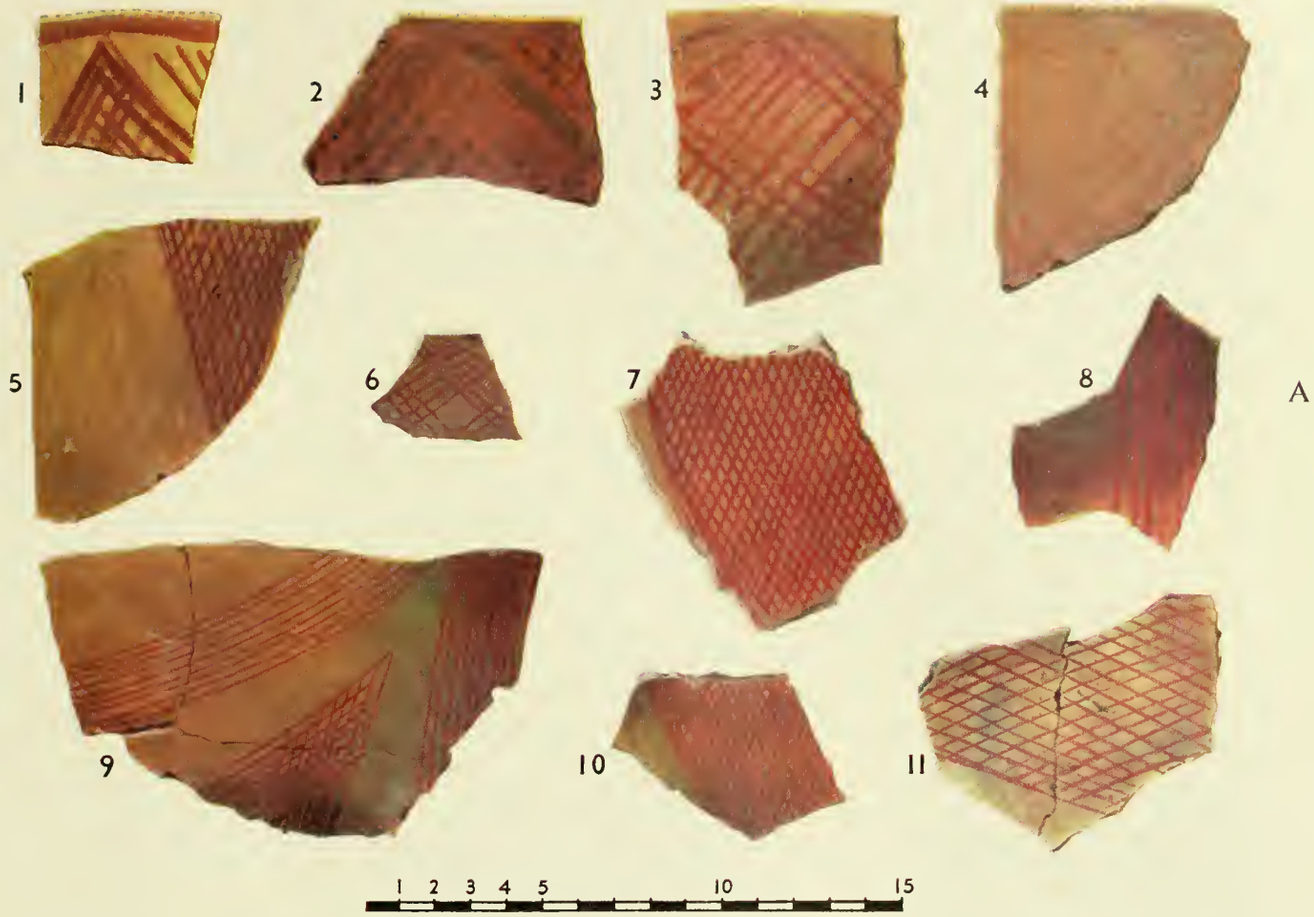
PAINTED POTTERY

A

B

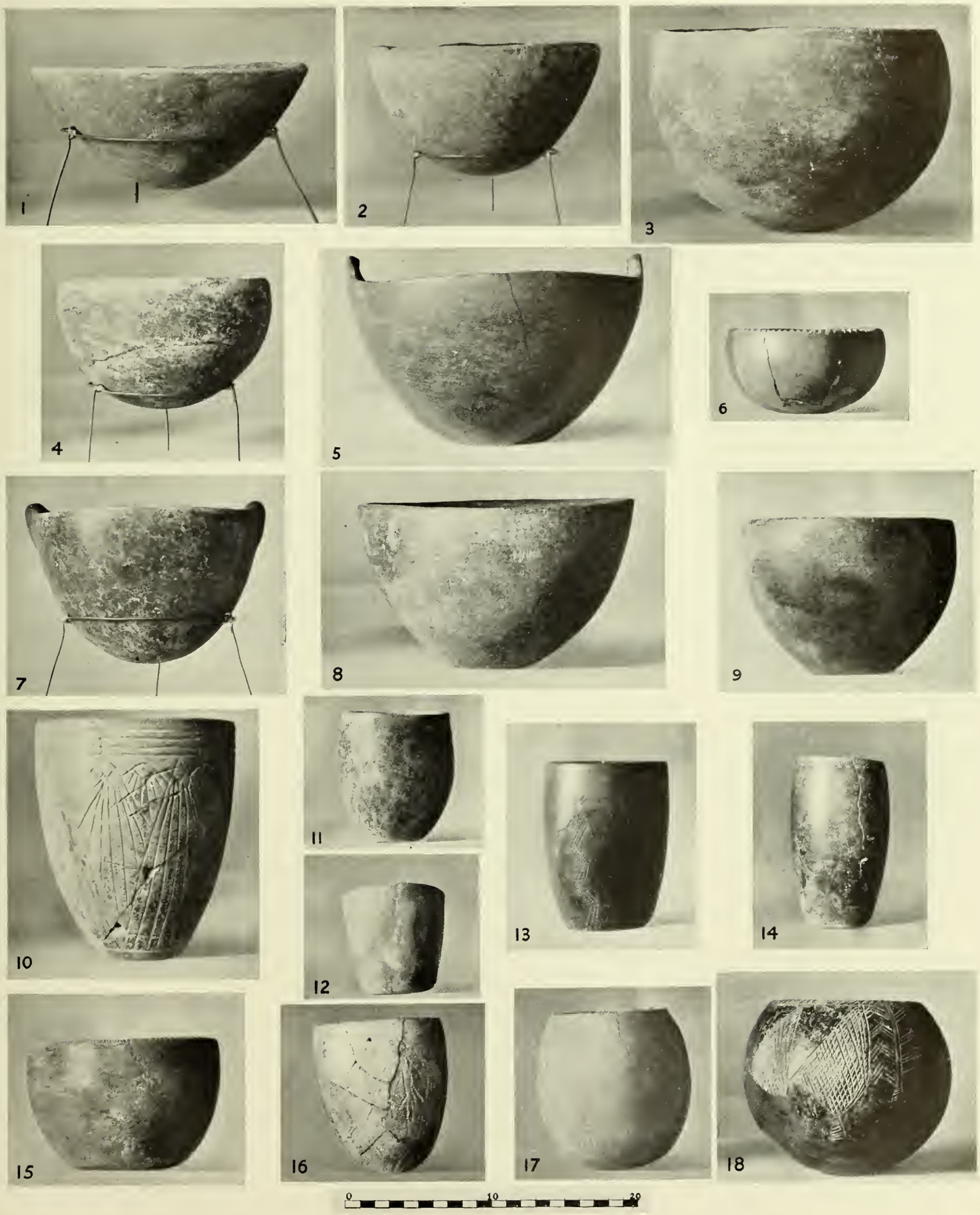
See Text, pp. 213, 214, 243

PAINTED POTTERY



See Text, pp. 213, 214, 243

POTTERY



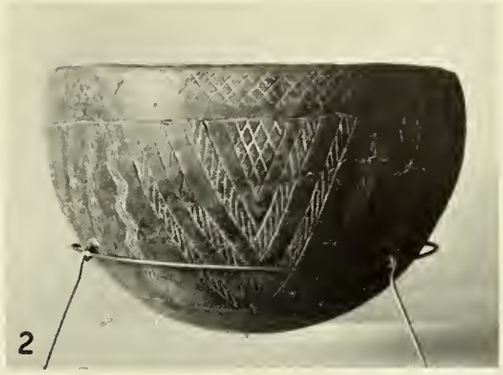
See Text, pp. 217, 244

POTTERY

See Text, pp. 244, 245

POTTERY

1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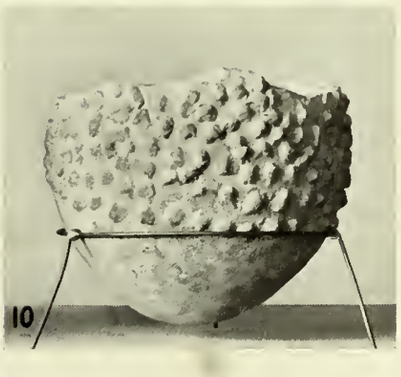
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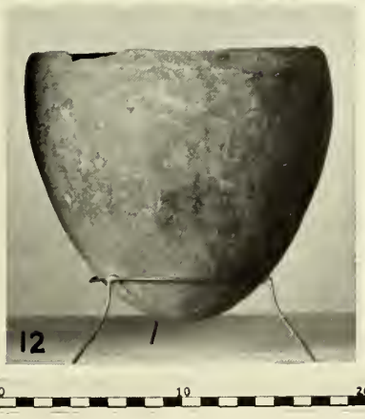
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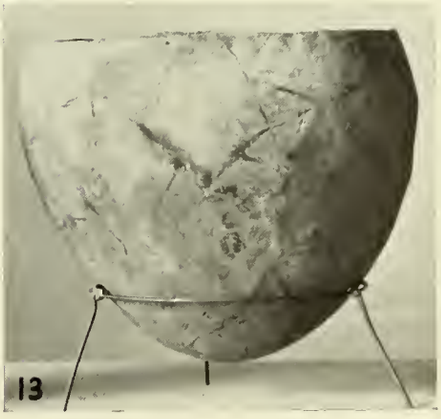
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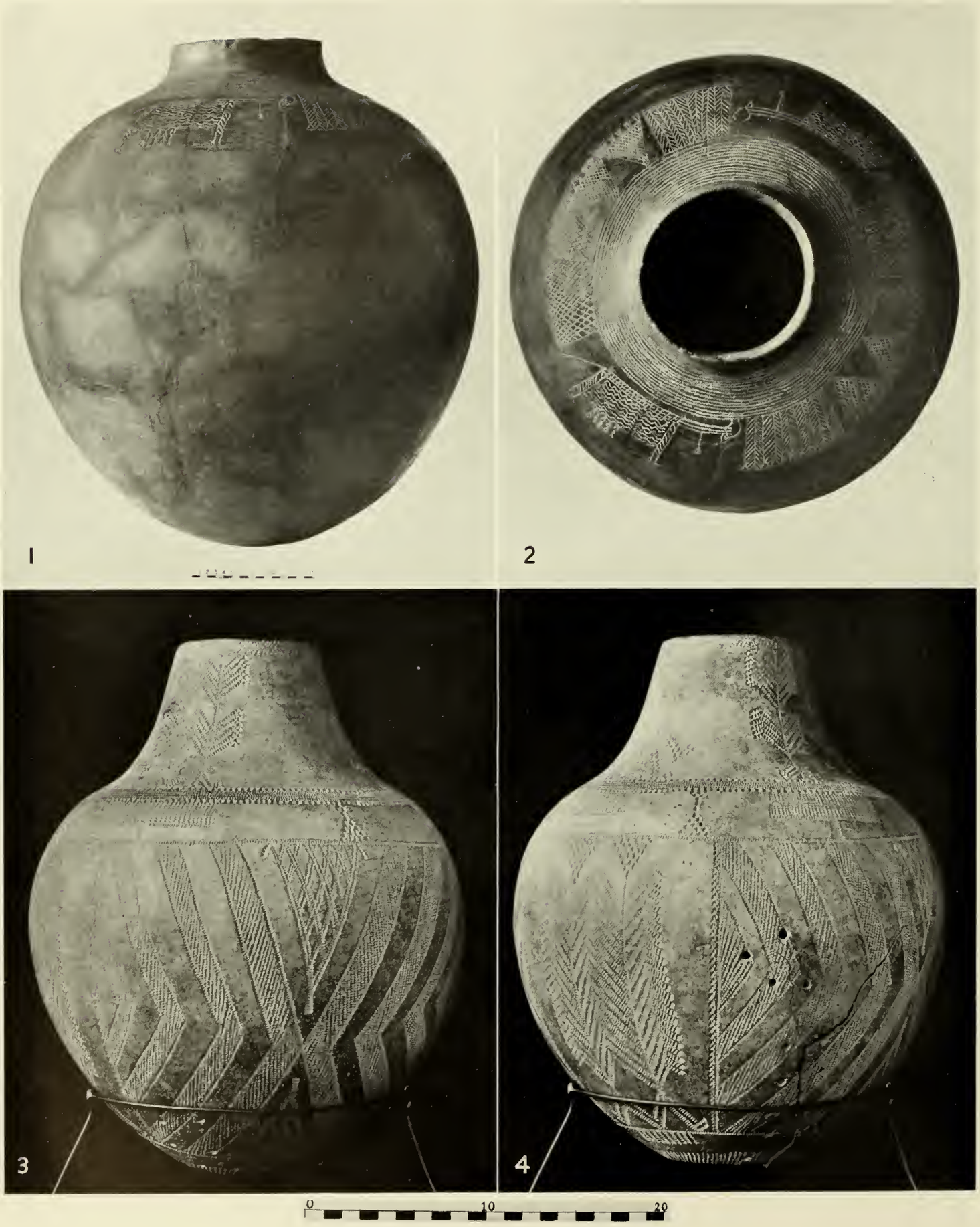
See Text, p. 245

POTTERY



See Text, pp. 220, 221, 245

POTTERY

1

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10

5 6 7 8

9

11

12 13 14

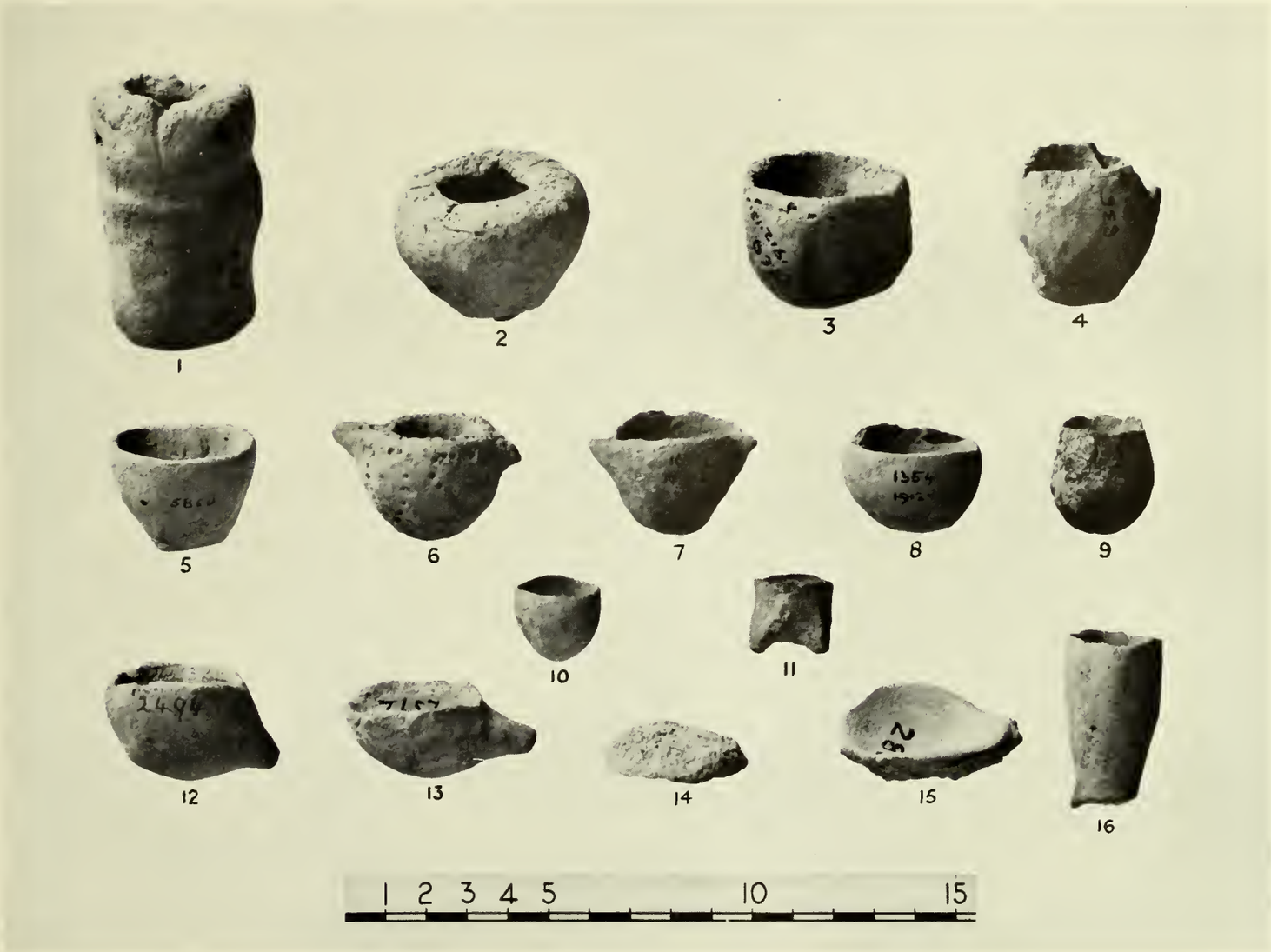
15 16

See Text, pp. 226, 245, 246

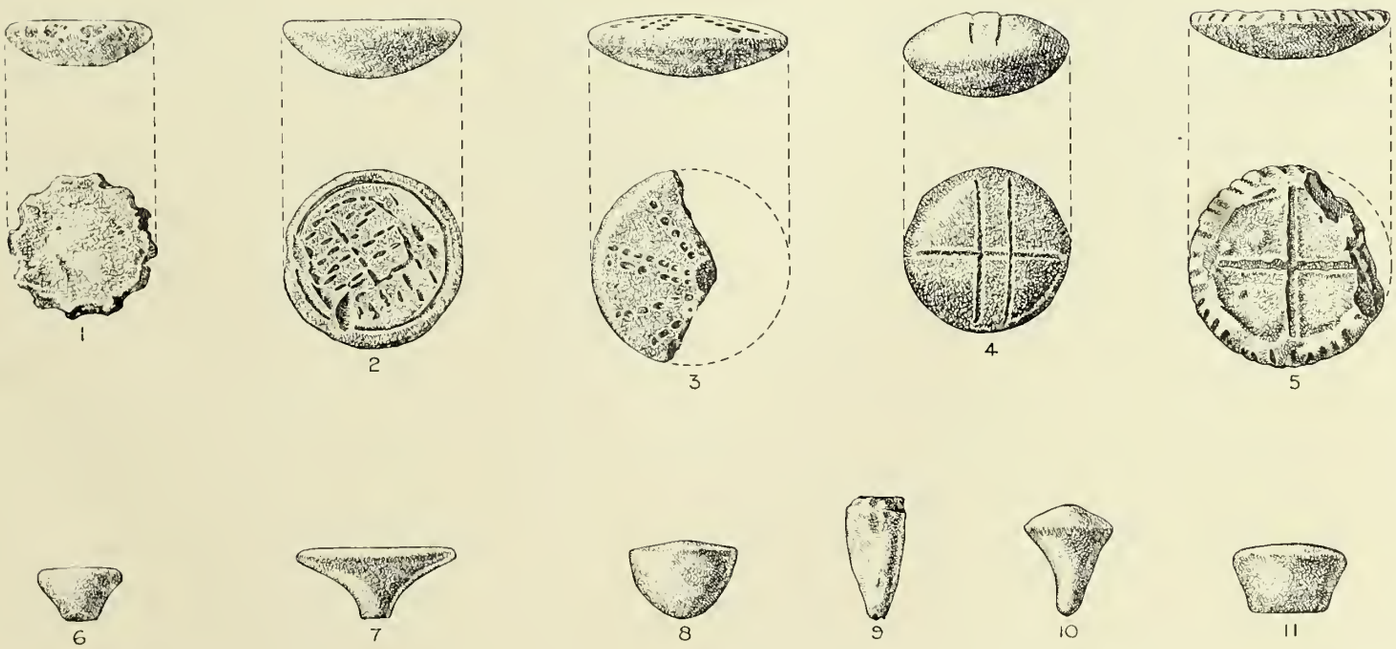
POTTERY

See Text, pp. 214, 246

POTTERY



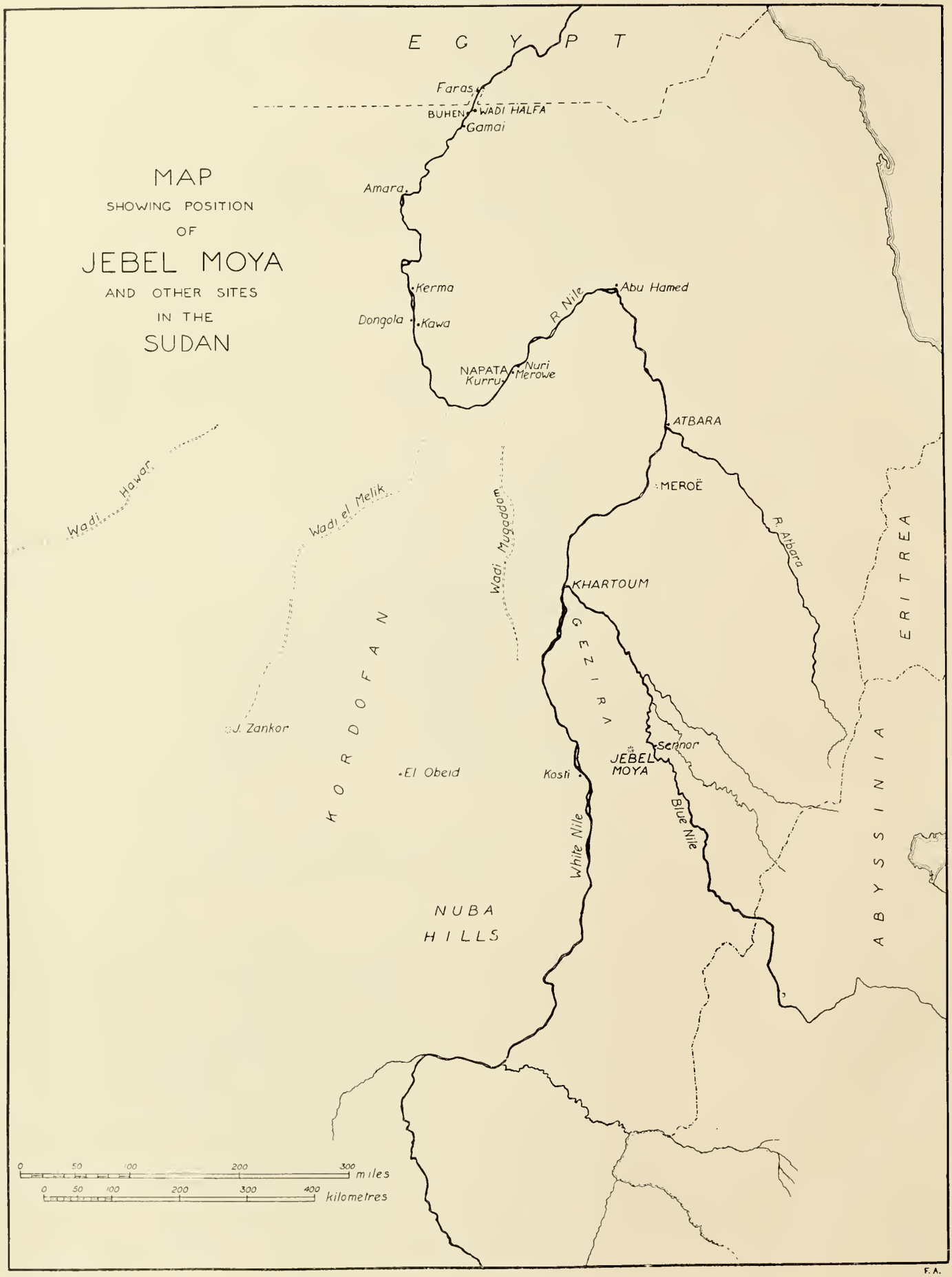
A. Model pots, about 2:3



B. Pot stoppers, 1:2

See Text, pp. 246, 247

PLATE CXV



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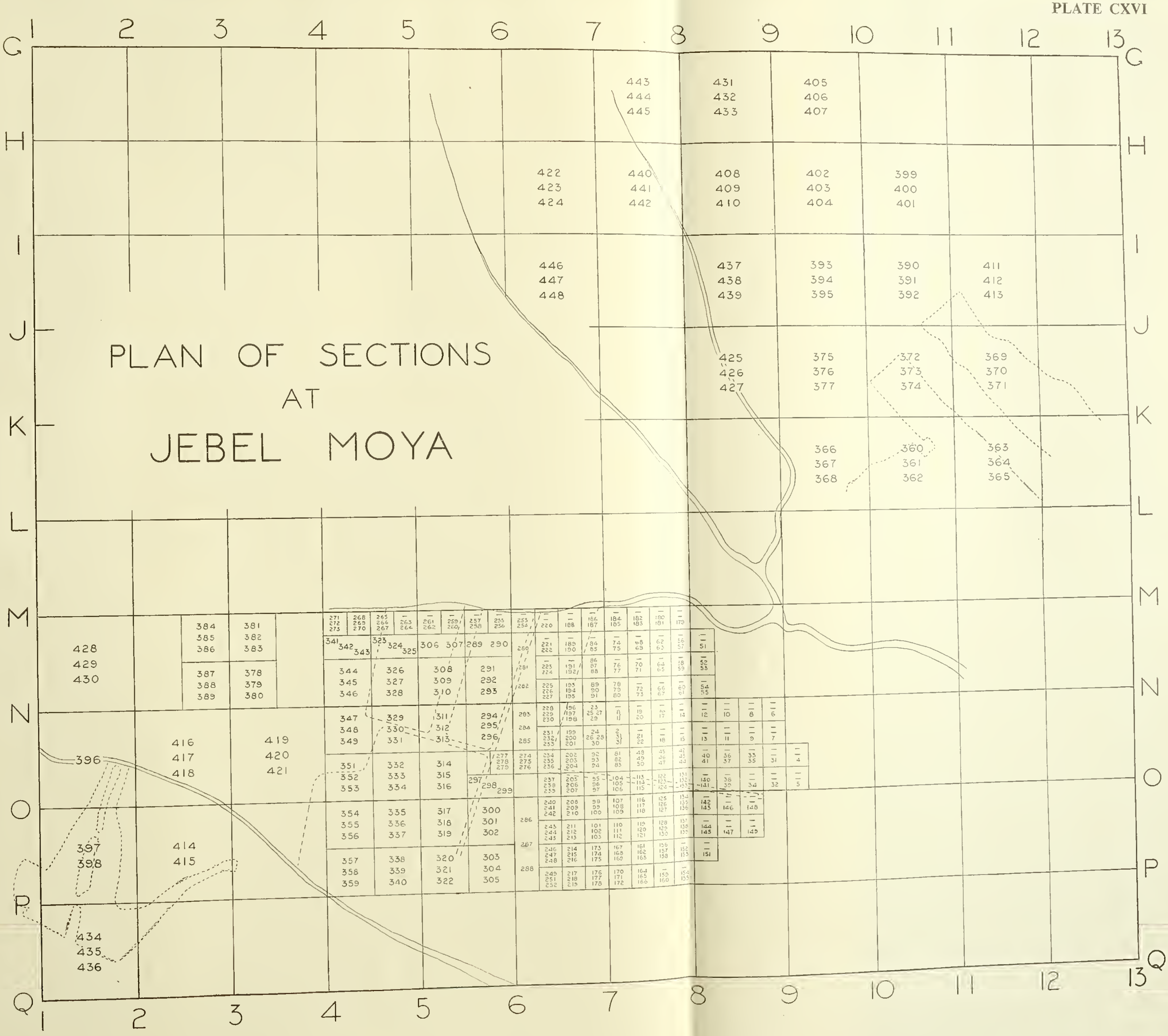

PL

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PLAN
OF THE BURIALS
EXCAVATED AT
JEBEL MOYA

Burials in B stratum ... Black
" " C " Green
" " D " Orange

The plan is divided into 20 metre squares

0 5 10 15 20

8 9 10 11 12 13

G H I J K

L

M

N

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P

1 2 3 4 5 6 7

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